ITE 2016 Annual Meeting & Exhibit
Onsite Program

2016 International Annual Meeting & Exhibit
August 14-17 2016 • Anaheim CA
Welcome to Anaheim!

On behalf of the Institute of Transportation Engineers, we would like to welcome you to the ITE 2016 Annual Meeting & Exhibit and Anaheim, CA. We are excited to have you as we continue to set not only a new stage for this organization but also serve to help our members and transportation professionals from around the world expand their horizons. The ITE 2016 Annual Meeting & Exhibit is about the changes, challenges, and opportunities that face us as we learn to adapt to the radical transformation taking place within the transportation industry. We are building transportation systems for the next generation that reflect the demands for sustainability, safety, livable and healthy communities through the use of new approaches and technologies.

This conference is as much about you as a transportation professional as it is about the industry as a whole. You will experience a variety of session formats that promote interaction and learning. The program combines the traditional 90-minute sessions that take a deep dive into a topic with shorter, more intensive focus sessions, and poster sessions which allow more one-on-one interaction. Our plenary sessions and lunches bring perspectives from leaders in the public, private, and academic sectors. In addition to sessions on the key topics and trends of the day, such as shared mobility, Vision Zero, autonomous and connected vehicles, we encourage you to take advantage of the sessions focusing on enriching your personal growth, including building your brand and communicating effectively.

If this is your first time attending an ITE conference, we extend a special welcome and invite you to stop us to say hello. For those of you long-time attendees, we salute your commitment and dedication to ITE. You are the bedrock of this organization. We look forward to seeing all of you throughout our four days here, especially during our Opening Reception, at the ITE Collegiate Traffic Bowl Grand Championship, ITE Game Night, or any of our other exciting networking opportunities.

Paula Flores (Benway)
President
Institute of Transportation Engineers
and Associate, Stantec

Jeffrey F. Paniati, P.E. (F)
ITE Executive Director & CEO
Institute of Transportation Engineers

Program Notes

Annual Meeting Mobile Site
Your online resource for comprehensive information for the ITE 2016 Annual Meeting & Exhibit. Access the meeting agenda, information on speakers, sponsors, exhibitors, and more. Go to http://bit.ly/AM16Mobile and enter Event Code: 1042-7234 and password #iteanaheim

Accessing the Internet
To access the internet while attending the Educational content at the Anaheim Marriott find SSID Marriott_CONF and enter password ITE2016.

Ticket Refund Policy
Tickets for individual events are sold on a space-available basis and may be purchased at the ITE Registration Desk. No refunds are issued for unused tickets, whether purchased as part of a registration package or separately.

Payment Information
On-site registration and event fees may be paid by cash, check (for the exact amount only), or credit card (American Express, MasterCard, or Visa). Make checks payable to the Institute of Transportation Engineers. ITE does not accept Discover.

Cell Phones
Please be courteous to fellow meeting attendees: set your cell phones to vibrate before entering sessions. If you need to make or take a call, please step out of a session.
Attire
Participants are encouraged to wear business casual attire during the meeting’s technical program events. Come to the California Dreamin’ Welcome Reception in your best casual beach wear. Feel free to dress down and come to the ITE Traffic Bowl competition and ITE Game Night in jeans.

Videotaping and Audio Recording
Videotaping or audio recording of sessions or technical exhibits as well as the unauthorized use of ITE-copyrighted material is prohibited.

Poster Presentations
There will be poster presentations corresponding to several of the concurrent sessions. These presentations will take place in the Exhibit Hall during the networking break following those sessions.

Consent to Use of Photographic Images
Registration and attendance at, or participation in, ITE meetings or other activities constitutes an agreement by the registrant to ITE’s use and distribution of the registrant or attendee’s image or voice in photographs, videotapes, electronic reproduction, and audiotapes of such events and activities.

Event Tickets
Attendees who did not purchase a full registration and have a green badge, will be required to hand-in a ticket for some events and all tours will require a ticket. Tickets are distributed with your badge. Spouse tickets are distributed with the registered attendee’s badge. Please make sure to check for your tickets when you pick up your badge. If your tickets are missing or incorrect, please notify one of our registration staff.

Badges
Registration name badges must be worn while attending all technical sessions, social functions, and while in the exhibit hall.

Disclaimer
Individuals involved in developing, administering, and delivering learning events demonstrate high standards of professional conduct and do not discriminate against learners on the basis of gender, age, socioeconomic or ethnic background, religion, sexual orientation, or disability.

The following program includes individuals confirmed at the time of publication. Information is subject to change. The views and opinions expressed by meeting participants are those of the participants and do not reflect official ITE policy unless so stated.

Earning PDHs (Professional Development Hours) and CM (Certification Maintenance) Credits
The technical content of this meeting meets most state and provincial registration board requirements for P.E./P. Eng., Licensure, Professional Traffic Operations Engineers® (PTOE), Professional Transportation Planners® (PTP), American Institute of Certified Planners (AICP), Traffic Signal Operations Specialists® (TSOS) and Florida Board of Professional Engineers (EXP0003871).

To successfully earn PDH/CM credits for sessions and/or tours, you must complete an online evaluation. Instructions for completing this evaluation will be emailed to pre-registered attendees on Thursday, August 18, following the meeting and will be posted on the ITE homepage, www.ite.org. Onsite registrants will receive an email the following Tuesday, August 23. Be sure to update your ITE member profile with your current email address to ensure receipt. We have identified in this program which sessions or tours are eligible for credit towards PTOE, PTP, and/or AICP certification renewal(s).

As an additional service, ITE hosts the Professional Competency Record Keeping System on its website at www.ite.org/pdrks. The transcript conforms to the guidelines set forth by NCEES. This service will aid in the recordkeeping of all your professional development opportunities.

Please contact Courtney Day at +1(202)785-0060 ext. 140 or cday@ite.org if you have questions about this process.

Hospitality Suite
Want tips about what to see, what to do, and how to get around Anaheim? We’ve got you covered! ITE has arranged a Hospitality Suite that will be open on Monday and Tuesday mornings, from 9:00 a.m.–12:00 p.m. in Orange County Salon 3 - located on ITE’s main meeting level. Meeting attendees, spouses, and family members are encouraged to use the Hospitality Suite as a gathering point to plan the day’s activities or as a place to catch up with friends attending the 2016 Annual Meeting & Exhibit. See floor plan on page 33 for exact location or stop by ITE’s registration desk for directions.

Parking
The onsite parking rate at the Anaheim Marriott is $25/day; valet parking is $30/day. ITE does not offer parking discounts and cannot validate parking.
Program Highlights, Social Events & Networking Opportunities

Sunday, August 14

8:30 a.m.–3:00 p.m.
TransportationCamp (Orange County Ballroom)
This is not a traditional conference; rather it is an unconference. The goal is to connect all types of transportation professionals and give each attendee an opportunity to voice his or her outlook, ideas, and opinions on how we all can work together to create better communities and positively affect the quality of life for millions of people. The session topics and activities are suggested by the attendees. TransportationCamp provides an opportunity for every attendee to be a participant in shaping and leading the event. Be prepared to get involved and meet people. Major themes reflect the backgrounds and interests of the participants. Registration is $35 and separate from the price of the ITE Annual Meeting.

3:00–4:30 p.m.
Student Leadership Development in Transportation: Where to Go from Here? (Newport Beach)
Students receive a great deal of advice when it comes to professional development, but little of it is geared specifically towards a career in transportation. The goal of this interactive session is to share knowledge and solicit feedback from students and young professionals on where they see the greatest need for resources to help develop their leadership abilities. Panel members will include young professionals who were active in their own ITE student chapters as well as current students. The session is intended to be conversational, and it is hoped that students come prepared to share their own thoughts and insights on this issue.

5:00–6:00 p.m.
First Timer’s Let’s Get Acquainted Reception (Center Registration Foyer, near the ITE Registration Desk)

Welcome to your first ITE Annual Meeting! For those attending the ITE Annual Meeting & Exhibit for the first time, join ITE leadership and staff at this “get to know you” event at the Center Registration Foyer. Make new connections and find out how to make the most of your meeting experience while enjoying the company of new friends.

6:00–7:30 p.m.
California Dreamin’ Opening Reception in the Exhibit Hall (Marquis Ballroom)

Join your fellow attendees for this evening of fun and networking as we officially kick-off the ITE 2016 Annual Meeting & Exhibit! Come dressed in beach casual attire and stop by exhibitor booths for special beach- and/or California-related giveaways.

Monday, August 15

10:30–11:30 a.m.
Convention and Visitors Bureau Welcome to Anaheim Chat (Orange County Salon 3)
Following the Opening Business and Plenary Session, a representative from Visit Anaheim will be present in the Hospitality Suite and available to share highlights of the area and offer suggestions on day trips, local areas of interest, how to secure hot tickets, and travel options. This event is free and we encourage all interested to attend!

2:45–3:30 p.m.
Prospective International Officer Candidate Meeting (Gold Key II)
Are you a Fellow Member of ITE? Do you aspire to someday seek election as an International officer of ITE and/or consider seeking election as an International Director representing your District on the International Board of Direction? If so, you are invited to attend the Prospective Officer Candidate Meeting where you will be able to talk with current members of the Nominating Committee and current International officers to better understand roles, time commitments, responsibilities, and the process to become a candidate.

3:30–4:30 p.m.
District-Section-Chapter Leadership Forum (Gold Key II)
ITE’s Annual Meeting & Exhibit is the only time throughout the year that we have key leadership from ITE Districts, Sections, and Chapters in one place at one time making it the perfect opportunity to update our leadership on key initiatives from the ITE staff related to short- and long-term goals. We will review the past year, take questions and suggestions, and discuss key strategies related to growing membership, increasing renewal rates, and improving communications with all of our members. If you are a part of ITE’s leadership team, please make it a point to come to this forum and share with us your ideas for making ITE more inclusive, connected, and in-touch with the needs of our members.

4:30–6:30 p.m.
ITE Collegiate Traffic Bowl Grand Championship (Grand Ballroom A-E) sponsored by Stantec
The ITE Collegiate Traffic Bowl is an annual Jeopardy-style competition among ITE student chapter teams using transportation planning and engineering topics for the categories, questions, and answers. Throughout the year, teams from ITE student chapters in the U.S. and Canada compete at ITE sections and district-level events. The winners then compete in this grand championship. As of the printing of the program, the winning teams include the California Polytechnic State University, San Luis Obispo, University of Massachusetts — Amherst, University of Delaware, Purdue University, Clemson University, University of Minnesota, University of Manitoba, Texas A&M University, and the University of South Florida. If you are an alumni of one of the schools competing, come cheer on your team by wearing your school colors.

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Tuesday, August 16

9:00 a.m.-3:00 p.m.
Connected Vehicle V2I Demonstration
TTS, along with an automotive OEM, will be hosting a demonstration of Vehicle-to-Infrastructure (V2I) technology using cellular communications. Drive a vehicle through the City of Fullerton to experience connected vehicle applications such as optimal speed advisory, red light countdown, and integration into start/stop engine management. Stop by Booth 624 to sign up for demos being held on Tuesday, August 16 and Wednesday, August 17 between 9:00 a.m. and 3:00 p.m. Government agencies will receive priority for the demo times. Transportation will be provided between the conference and demo location (total demo time is approximately 60 minutes roundtrip).

7:00–9:00 p.m.
ITE Game Night (Platinum 5/6)
This is the capstone social event of the meeting! Challenge your colleagues and/or family to a game of darts, ping pong, corn hole, and more while enjoying food, music, and DJ-led “Are You Smarter than a Traffic Bowl Contestant?” Contestants from the “famous” Mitey-race will also be making an appearance, so be ready to cheer them on!

Wednesday, August 17

9:00 a.m.-3:00 p.m.
Connected Vehicle V2I Demonstration
TTS, along with an automotive OEM, will be hosting a demonstration of Vehicle-To-Infrastructure (V2I) technology using cellular communications. Drive a vehicle through the City of Fullerton to experience connected vehicle applications such as optimal speed advisory, red light countdown, and integration into start/stop engine management. Stop by Booth 624 to sign up for demos being held on Tuesday, August 16 and Wednesday, August 17 between 9:00 a.m. and 3:00 p.m. Government agencies will receive priority for the demo times. Transportation will be provided between the conference and demo location (total demo time is approximately 60 minutes roundtrip).

1:00–4:30 p.m. INFORMAL TOUR: Queue Prevention Strategies for At-Grade Railroad Crossings
This tour will highlight the design and operations of several queue cutter traffic signals and presignals along Metrolink’s Orange County Line. This double-track corridor is jointly used by Metrolink, Amtrak, and BNSF by 70 trains daily with speeds up to 79 miles per hour. Grade crossings on the tour all include advance preemption time, state-of-the-art traffic signal operations, active pedestrian treatments, and other safety improvements such as raised medians and exit gates. Space is limited! Please RSVP in advance to karen.hankinson@railpros.com.
DEMONSTRATION OF CONNECTED VEHICLE TECHNOLOGY

Sign up for a demo with an automotive OEM on Tuesday, August 16 & Wednesday August 17.

Drive a vehicle through the City of Fullerton to experience our data products integrated into vehicle engine management and driver information systems.

Priority provided to government agencies.

PERSONAL SIGNAL ASSISTANT

DELIVERING THE TRAFFIC SIGNAL INTO THE CLOUD
Saturday, August 13

8:00 – 9:00 a.m.
LeadershipITE Continental Breakfast
Gold Key I

9:00 a.m. – 5:00 p.m.
LeadershipITE Program with Glenn Tecker
Gold Key II

12:00 – 2:00 p.m.
LeadershipITE and ITE International Board of Direction Luncheon with Group Project Presentations
Las Angeles/LaJolla

2:00 – 5:00 p.m.
Registration Open

5:30 – 6:30 p.m.
LeadershipITE Curriculum Committee Meeting
Gold Key II

Sunday, August 14

7:00 a.m. – 5:00 p.m.
Registration Open

7:00 a.m. – 4:30 p.m.
Exhibitor Move-In

8:00 – 9:00 a.m.
LeadershipITE Continental Breakfast
Gold Key I

8:00 – 11:00 a.m.
Coordinating Council Meeting
Newport Beach

8:30 a.m. – 3:00 p.m.
TransportationCamp (see page 4 for more information)
Orange County Ballroom

9:00 a.m. – 5:00 p.m.
LeadershipITE Program with Glenn Tecker
Gold Key II

11:00 a.m. – 12:30 p.m.
Sustainability Standing Committee Meeting
Newport Beach

12:00 – 1:00 p.m.
LeadershipITE Luncheon
Gold Key I

1:00 – 2:30 p.m.
Transportation Expert Witness Council Meeting
Newport Beach

3:00 – 4:30 p.m.
Student Leadership Development in Transportation: Where to Go from Here?
Newport Beach

3:00 – 4:30 p.m.
ITE Council Meetings

• Transportation Consultants Council Meeting
  Las Angeles

• Transportation Planning Council Meeting
  La Jolla

• Transportation Systems Management and Operations Council Meeting Rancho Las Palmas

4:30 – 6:00 p.m.
ITE Council Meetings

• Public Agency Council Meeting
  Las Angeles

• Complete Streets Council Meeting
  La Jolla

• Traffic Engineering Council Meeting
  Rancho Las Palmas

• Transportation Safety Council Meeting
  Newport Beach

5:00 – 6:00 p.m.
First Timer’s “Let’s Get Acquainted Reception” (see page 4 for more information) sponsored by Neel Schaffer
Center Registration Foyer

6:00 – 7:30 p.m.
California Dreamin’ Opening Reception in Exhibit Hall (see page 4 for more information) sponsored by VHB
Marquis Ballroom

Program at a Glance

Proud sponsor of the ITE 2016 Annual Meeting and Exhibit inaugural “FIRST-TIMERS RECEPTION”

Founded in 1983, Neel-Schaffer provides a wide variety of traffic/transportation engineering and planning services through 37 offices across nine states. From Interstate Highways to Complete Streets and Multi-Use Paths, our engineers understand what drives society and how to best serve the communities in which we live, work and play. Find out more at www.neel-schaffer.com.

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Monday, August 15

7:00 a.m. – 5:00 p.m.  Registration Open

8:00 – 10:00 a.m.  Opening Business and Plenary Session (see page 12 for more information)
Platinum 5/6

9:00 a.m. – 12:00 p.m.  ITE Hospitality Suite Open
(see page 3 for more information)
Orange County Ballroom Salon 3

10:00 – 11:00 a.m.  Networking Break in Exhibit Hall sponsored by Trafficware

10:00 a.m. – 5:00 p.m.  Exhibit Hall Open
Marquis Ballroom

10:00 a.m. – 12:00 p.m.  Traffic Bowl Team and Faculty Advisor Meeting
Gold Key II

10:30 – 11:30 a.m.  Welcome to Anaheim! – Convention and Visitors Bureau Presentation in the ITE Hospitality Suite
(see page 4 for more information)
Orange County Ballroom Salon 3

11:00 a.m. – 12:00 p.m.  Concurrent Sessions (see page 14 for session descriptions, presentation titles, and speakers)
• Do You Need An Alternate (Road) Diet?
  Complete Streets Choices
  Platinum 1/2
• Future Direction for Transportation in Southern California
  Platinum 3/4
• ITE Town Hall
  Platinum 7/8
• How to Improve Your Productivity: A Case Study in Staff Improvement
  Platinum 9/10

11:15 – 11:45 a.m.  LeadershipITE Photographs
Gold Key I

12:00 – 2:00 p.m.  ITE Awards Lunch and LeadershipITE Graduation
Platinum 5/6

2:00 – 3:30 p.m.  Concurrent Sessions (see page 15 for session descriptions, presentation titles, and speakers)
• Farewell to Level of Service: The California Way
  Platinum 1/2
• Ready or Not...Self-Driving Vehicles Coming to a City Near You sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Vanishing Point: Vision Zero sponsored by CB Engineering
  Platinum 7/8
• Sharing is Caring: What Does the Future of the Sharing Economy Look like for Transportation Providers? sponsored by WSP/Parsons Brinckerhoff
  Platinum 9/10

2:00 – 2:45 p.m.  Nominating Committee Meeting
Gold Key II

2:45 – 3:30 p.m.  Prospective International Officer Candidate Meeting (see page 4 for more information)
Gold Key II

3:30 – 4:30 p.m.  Networking Break in Exhibit Hall, Marquis Ballroom with poster presentations (see page 34 for more information)
sponsored by Jacobs

3:30 – 4:30 p.m.  Concurrent Sessions (see page 17 for session descriptions, presentation titles, and speakers)
• The Traffic Impact Study is Dead – Long Live the Transportation Impact Study!
  Platinum 1/2
• Connected Vehicles: Irrelevant in an Autonomous World? sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Building Your Brand: Developing and Managing Your Reputation
  Platinum 7/8
• Signal Your Intentions...the Latest in Traffic Control Devices and Analysis
  Platinum 9/10

8:00 – 9:30 a.m.  Focus Session: The Transportation University Research Network: Leveraging Next Generation of ITE Leadership (see page 25 for more information)
Gold Key I

9:00 a.m. – 12:00 p.m.  Exhibit Hall Open
Orange County Ballroom Salon 3

9:00 a.m. – 3:00 p.m.  Connected Vehicle V2I Demonstration (see page 5 for more information)

9:30 – 10:30 a.m.  Advocacy Committee Meeting
Grand Ballroom A

TUESDAY, AUGUST 16

7:00 a.m. – 5:30 p.m.  Registration Open

7:00 a.m. – 12:00 p.m.  Exhibit Hall Open

7:00 – 9:30 a.m.  Technical Tour: Exclusive Tour of Disneyland® Resort’s Transportation Facilities (see page 27 for more information) – Pre-registration is required. Tour participants should meet in Marriott Anaheim lobby at 6:45 a.m.

7:30 – 9:30 a.m.  ITE Past Presidents’ Breakfast (by invitation only)
Grand Ballroom, Salon D

8:00 – 9:30 a.m.  Concurrent Sessions (see page 17 for session descriptions, presentation titles, and speakers)
• The Traffic Impact Study is Dead – Long Live the Transportation Impact Study!
  Platinum 1/2
• Connected Vehicles: Irrelevant in an Autonomous World? sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Building Your Brand: Developing and Managing Your Reputation
  Platinum 7/8
• Signal Your Intentions...the Latest in Traffic Control Devices and Analysis
  Platinum 9/10

8:00 – 9:30 a.m.  Focus Session: The Transportation University Research Network: Leveraging Next Generation of ITE Leadership (see page 25 for more information)
Gold Key I

9:00 a.m. – 12:00 p.m.  ITE Hospitality Suite Open
Orange County Ballroom Salon 3

9:00 a.m. – 3:00 p.m.  Connected Vehicle V2I Demonstration (see page 5 for more information)

9:30 – 10:30 a.m.  Advocacy Committee Meeting
Grand Ballroom A

7:00 a.m. – 3:30 p.m.  ITE Members’ Breakfast (by invitation only)
Grand Ballroom A

8:30 – 10:00 a.m.  Concurrent Sessions (see page 17 for session descriptions, presentation titles, and speakers)
• The Traffic Impact Study is Dead – Long Live the Transportation Impact Study!
  Platinum 1/2
• Connected Vehicles: Irrelevant in an Autonomous World? sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Building Your Brand: Developing and Managing Your Reputation
  Platinum 7/8
• Signal Your Intentions...the Latest in Traffic Control Devices and Analysis
  Platinum 9/10

8:30 – 10:00 a.m.  Focus Session: The Transportation University Research Network: Leveraging Next Generation of ITE Leadership (see page 25 for more information)
Gold Key I

12:00 – 2:00 p.m.  ITE Awards Lunch and LeadershipITE Graduation
Platinum 5/6

2:00 – 3:30 p.m.  Concurrent Sessions (see page 15 for session descriptions, presentation titles, and speakers)
• Farewell to Level of Service: The California Way
  Platinum 1/2
• Ready or Not...Self-Driving Vehicles Coming to a City Near You sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Vanishing Point: Vision Zero sponsored by CB Engineering
  Platinum 7/8
• Sharing is Caring: What Does the Future of the Sharing Economy Look like for Transportation Providers? sponsored by WSP/Parsons Brinckerhoff
  Platinum 9/10

2:00 – 2:45 p.m.  Nominating Committee Meeting
Gold Key II

2:45 – 3:30 p.m.  Prospective International Officer Candidate Meeting (see page 4 for more information)
Gold Key II

3:30 – 4:30 p.m.  Networking Break in Exhibit Hall, Marquis Ballroom with poster presentations (see page 34 for more information)
sponsored by Jacobs

3:30 – 4:30 p.m.  Concurrent Sessions (see page 17 for session descriptions, presentation titles, and speakers)
• The Traffic Impact Study is Dead – Long Live the Transportation Impact Study!
  Platinum 1/2
• Connected Vehicles: Irrelevant in an Autonomous World? sponsored by WSP/Parsons Brinckerhoff
  Platinum 3/4
• Building Your Brand: Developing and Managing Your Reputation
  Platinum 7/8
• Signal Your Intentions...the Latest in Traffic Control Devices and Analysis
  Platinum 9/10

8:00 – 9:30 a.m.  Focus Session: The Transportation University Research Network: Leveraging Next Generation of ITE Leadership (see page 25 for more information)
Gold Key I

9:00 a.m. – 12:00 p.m.  Exhibit Hall Open
Orange County Ballroom Salon 3

9:00 a.m. – 3:00 p.m.  Connected Vehicle V2I Demonstration (see page 5 for more information)

9:30 – 10:30 a.m.  Advocacy Committee Meeting
Grand Ballroom A
9:30 – 10:30 a.m. Networking Break in Exhibit Hall, Marquis Ballroom with poster presentations (see page 28 for more information) sponsored by Jacobs

- Multimodal Accessibility
- Urban Trip Generation: Testing Alternative Trip Generation Models in an Urban Setting
- Estimation of Person and Modal Trips from Baseline Site Trip Generation Data
- Executing a Multi-tiered and Multi-disciplined Engagement Strategy for Integrated Transportation and Land Use Planning
- The ODOT Approach to Creating a Connected Vehicle Strategic Framework
- Integrating Connected Vehicle Technologies in Support of Traffic Incident Management
- Using an Ecosystem of Smart Technology to Improve Traffic Performance: The Case Study of Ann Arbor, Michigan
- A Pilot Study of Interactions between Driver and Pedestrian Features at Signalized Intersections
- Warrants for Adaptive Signals
- Exploring Travel Time Reliability Using Bluetooth Data Collection: Case Study in San Luis Obispo, California

JACOBS

10:30 a.m. – 12:00 p.m. Concurrent Sessions (see pages 18 -19 for session descriptions, presentation titles, and speakers)
- Piloting Connected Vehicles – Riding the Wave sponsored by WSP/Parsons Brinckerhoff Grand Ballroom, Salon D
- Perspectives in Safety - Towards the Safety-Focused Organization Platinum 3/4
- Making Your Voice Heard: Advocacy Platinum 7/8
- Breathe Easier while Saving the Earth through Transit Platinum 1/2
- Livable, Attractive Communities Completed by Integrating People Back into Streets sponsored by Sanderson Stewart Platinum 9/10
- Trip Generation – Looking Forward Gold Key I
- Progressive Design Practices and Technology: Where is the Ethical Tipping Point? Gold Key II

WSP PARSONS BRINCKERHOFF

12:00 – 1:30 p.m. Power Lunch: Designing Healthy Communities Platinum 5/6

1:30 – 3:00 p.m. Concurrent Sessions (see pages 20 - 21 for session descriptions, presentation titles, and speakers)
- Is a Round Peg Right for a Square Hole? Creative Concepts in Intersection Design sponsored by MTJ Platinum 1/2
- Opening a Window into Global Design Practices sponsored by Iteris Platinum 3/4
- Promoting Healthy Communities through Active Transportation Platinum 9/10

ITERIS

1:30 – 3:00 p.m. Focus Session (see page 25 for more information)
- The Future of Resource Documents Gold Key I

1:30 – 3:00 p.m. National Operations Center of Excellence Board of Director’s Meeting (by invitation only) Grand Ballroom, Salon D
TUESDAY, AUGUST 16

1:30 – 6:15 p.m.
CV/AV Task Force Meeting
Grand Ballroom, Salon A

3:00 – 4:00 p.m.
Networking Break in the Exhibit Hall, Marquis Ballroom with poster presentations (see page 29 for more information)
- Not Exactly Round (about)...Oval Roundabouts
- Going the Flow: How to Gain Support from the Community and City Officials
- Rural Roundabout for Improved Safety
- Using ITS Infrastructure and Performance Measures to Improve Real-time Traffic Operations
- Bottleneck Identification Tool and Innovative Solutions for Congestion Mitigation
- Use of “Big Data” for Transportation Performance Assessment
- Combining Data from Multiple Sources for the Computation of MAP-21 System Performance Measures
- Do Smart Street Projects Actually Encourage Active Transportation?
- Analysis of a University Bike-Sharing Program and Lessons Learned
- One Percenters for Active Travel
- Prioritizing Pedestrians and Bicycles over Passenger Vehicles
- Pedestrian Gap Analysis - Synthesizing Infrastructure Needs with Health Data in Project Prioritization
- A Holistic Approach to Complete Streets Planning

3:30 – 5:30 p.m.
Technical Tour: A Tour of Anaheim Regional Transit Center (ARTIC)
Tour participants should meet in Marriott Anaheim lobby at 3:15 p.m. Pre-registration is required.

4:00 – 5:30 p.m.
Concurrent Sessions (see pages 22 - 23 for session descriptions, presentation titles, and speakers)
- Two Wheels and a Track
  Platinum 1/2
- Did You Set Yourself Up for Failure? Making Innovation and Multimodal Work
  Platinum 3/4
  Platinum 7/8
- Maintain Your Reputation by Communicating Effectively
  Platinum 9/10

4:00 – 5:30 p.m.
Focus Session (see page 26 for more information)
- Beyond Cracking the Glass Ceiling
  Gold Key I

4:00 – 5:30 p.m.
Trip Generation Committee Meeting
Grand Ballroom, Salon D

7:00 – 9:00 p.m.
ITE Game Night
Platinum 5/6

WEDNESDAY, AUGUST 17

7:30 a.m. – 1:00 p.m.
Registration

8:00 a.m. – 1:00 p.m.
Technical Tour: Urbanist Long Beach and Bicycle Friendliness Tour. Tour participants should meet in the Marriott Anaheim lobby at 7:45 a.m. Pre-registration is required.

8:30 – 10:00 a.m.
Focus Session
- State of the Art and High Technology Applications for Grade Crossing Safety Room sponsored by RailPros
  Gold Key I

8:30 – 10:00 a.m.
Concurrent Sessions (see pages 23 -24 for session descriptions, presentation titles, and speakers)
- Beyond Traffic: The Smart City Challenge sponsored by WSP/Parsons Brinckerhoff
  Platinum 1/2
- Liability A to Z: Today, Tomorrow and the Future
  Platinum 3/4
- Measuring Up: Performance Management Tools sponsored by Iteris
  Platinum 7/8
- Self-Enforcing Roadways
  Platinum 9/10

8:30 a.m. – 12:00 p.m.
CV/AV Task Force Meeting
Grand Ballroom, Salon A

9:00 a.m. – 3:00 p.m.
Connected Vehicle V2I Demonstration (see page 5 for more information)

10:00 – 10:30 a.m.
Networking Break
Technical Session Foyer (Platinum Ballroom Lobby)

10:30 a.m. – 12:00 p.m.
Closing Plenary
Platinum 5/6

1:00–4:30 p.m.
INFORMAL TOUR: Queue Prevention Strategies for At-Grade Railroad Crossings (see page 5 for more information)

1:00 – 5:00 p.m.
Workshops (see page 30 for more information)
- Designing Transit Streets: Places to Be, Places to Go
  Platinum 1/2
- Tools and Techniques to Support Vision Zero – Data Driven Safety Analysis
  Platinum 3/4
  Platinum 7/8
- Connected Vehicle Deployment Resources
  Platinum 9/10

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Driving Transportation Forward

Congratulations, Paul Eng-Wong, recipient of the ITE Transportation Consultants Council Distinguished Consultant Award. We’re inspired by your dedication and passion for advancing the transportation profession and proud to have you on our team.
Opening Business and Plenary Session

Monday, August 15, 8:00 – 10:00 a.m.
Platinum 5/6 Professional Development Credits: 1 PDH (PTOE / PTP) • CM 1 (AICP)

Important ITE Business including a State of the Association address will be a highlight of this year’s member session. The opening plenary address will then open a window on the mobility revolution happening in the world of transportation. Executives from leading-edge companies will speak to the explosion of technologies that are transforming the way people are traveling and commuting. Participants will hear about gaining access to critical information needed to make decisions regarding demand and delivery of transportation as well as to engage effectively with policy makers.

Lucille Kring, Anaheim Mayor Pro Tem, City of Anaheim, CA
Lucille Kring was re-elected to the Anaheim City Council in November 2012 and in December 2015 was selected by her council colleagues to serve as Mayor Pro Tem for the second consecutive year. A graduate of Western State University College of Law with a Juris Doctor Degree in Law, Kring also holds a current California Real Estate Broker’s License and a bachelor’s degree in chemistry.

Monali Shah, Director, Global Intelligent Transportation Solutions, Here, Chicago, IL
Monali Shah is the Director of Global Intelligent Transportation at HERE. Here, the location cloud company, enables rich, real-time location applications and experiences for consumers, vehicles, enterprises and cities. During her fourteen years at HERE, Ms. Shah has spearheaded product innovation and management in digital maps, real-time data, and other location based products. She currently leads the company’s work with transportation agencies in the areas of connected and automated driving, smart cities, traffic operations, planning and performance management. Ms. Shah has a degree in civil and environmental engineering from the University of Michigan and holds an MBA from the University of Chicago.

Bibop G. Gresta, COO, HYPERLOOP Transportation Technologies, Inc., Culver City, CA
Bibop Gabriele Gresta is considered worldwide as an expert in digital media, cross-platform technologies, and finance. Specializing in mass market digital community building and project design he is a world renowned speaker. He is on the board of several humanitarian projects.

Andrew Salzberg, Senior Operations Manager, Uber, New York, NY
As Uber’s Global Mobility Policy Lead, Andrew Salzberg focuses on making Uber an integral part of the future of urban transportation through research, partnerships, and policy development. He joined Uber in 2013 and became the senior operations manager for New York City, Uber’s largest global market, before joining the policy team. Prior to joining Uber, Salzberg worked at the World Bank supporting public transportation investment projects in East Asia. He holds a bachelor of civil engineering degree from McGill University and a master in urban planning from Harvard University.

ITE Awards Lunch and LeadershipITE Graduation

Monday, August 15, 12:00 – 2:00 p.m. — Platinum 5/6
Celebrate transportation excellence as we recognize the achievements and accomplishments of our fellow transportation professionals. In addition, this year our LeadershipITE participants will be recognized by their peers for having successfully completed an eight-month, intensive leadership program and will officially graduate during the luncheon.
Power Lunch
Tuesday, August 16, 12:00 – 1:30 p.m
Platinum 5/6 Professional Development Credits: 1 PDH

Our keynote speaker, Dr. Richard J. Jackson, Chair, Environmental Health Sciences, UCLA Fielding School of Public Health, will provide remarks and share his expert views on the environment’s impact on health and what it truly means to build a healthy community.

A pediatrician, Dr. Jackson has served in many leadership positions with the California Health Department, including as State Health Officer. For nine years, Dr. Jackson was the Director of the Centers for Disease Control’s (CDC) National Center for Environmental Health and received the Presidential Distinguished Service award. In October, 2011 he was elected to the Institute of Medicine of the National Academy of Sciences.

Dr. Jackson lectures and speaks on many issues, particularly those related to environment and health. He has co-authored the books: Urban Sprawl and Public Health, Making Healthy Places, and Designing Healthy Communities for which he hosted a four-hour PBS series. He has served on many environmental and health boards, as well as the Board of Directors of the American Institute of Architects.

Closing Plenary
Wednesday, August 17, 10:30 a.m. – 12:00 p.m.
Platinum 5/6 Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (ACP)

The closing plenary addresses the intersection of transportation policy and technology. Senior appointed officials at the federal, state, and local levels of government will share thoughts on the role of government in an era of rapidly advancing technologies being advanced by the private sector, challenging the current regulatory framework.

Facilitator: Randy Iwasaki, Executive Director
Contra Costa Transportation Authority, Walnut Creek, CA

Gregory Nadeau, Administrator, Federal Highway Administration, Washington, DC
Gregory G. Nadeau was appointed by President Obama and confirmed by the Senate to serve as the nation’s 19th Administrator of the Federal Highway Administration (FHWA). Prior to becoming Administrator, Nadeau had served as Deputy Administrator since 2009, where he directed the development and administration of the Agency’s Every Day Counts (EDC) innovation partnership with the states. EDC is designed to reduce project delivery time and accelerate the rapid deployment of innovative technology. As Administrator, Nadeau oversees the $43 billion Federal-aid Highway Program, which supports state and local governments in the design, construction, and maintenance of the Nation’s highway system. He is also charged with implementing the highway portions of the recently-enacted “Fixing America’s Surface Transportation” (or “FAST”) Act—including a new freight program.

Kirk Steudle, Chief Executive Officer, Michigan Department of Transportation, Lansing, MI
Kirk T. Steudle began his career with the Michigan Department of Transportation (MDOT) in 1987. A registered professional engineer, he rose through the ranks of the department to his current position. Governor Rick Snyder appointed Steudle State Transportation Director on Jan. 1, 2011. Steudle is a national leader in the development of connected vehicle technology, which allows vehicles to communicate with the road and other vehicles to improve safety and mobility. He continues to work with a partnership of governments and auto manufacturers to further high-tech highway operations and, at the same time, improve Michigan’s economy. Steudle was the 2014–2015 chair of the Intelligent Transportation Society of America (ITSA) Board of Directors. He is also a member of the Intelligent Transportation Systems (ITS) Program Advisory Committee to the U.S. Department of Transportation.

Scott Kubly, Director, Seattle Department of Transportation, Seattle, WA
Scott Kubly has been Director of the Seattle Department of Transportation (SDOT) since July 2014. Before joining SDOT, he served as Deputy Director of the Chicago Department of Transportation, where he led the development of a financial plan for Chicago’s Riverwalk, construction of 65 miles of protected bike lanes, and the launch of a new bike share system. Prior to that role, he served as the Associate Director for the District Department of Transportation in Washington, DC, where he led the development of a new streetcar system and major expansion of bike share in Washington, DC. In these roles, Kubly also managed agency operations, resource management, finance and development of major capital projects, as well as traffic management and signal operations. Kubly grew up in Chicago, IL and holds graduate degrees in business administration and community/regional planning.

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Do You Need an Alternative (Road) Diet? Complete Streets Choices
Platinum 1/2
Professional Development Credits: 1.0 PDH (PTOE / PTP)
Developed in Collaboration with the Federal Highway Administration Office of Safety
This session presents current information connecting the benefits of road diets to livability and achieving community goals by focusing on street design elements. Using case studies from across the United States, this session illustrates why road diets have been proven to improve safety, benefit roadway operations, and improve the pedestrian and bicycle environment.

Learning Objectives:
• Recognize connection between street design elements used in road diets and community goals;
• Understand the benefits of road diets; and
• Identify key factors from case studies that have made road diets successful.

Facilitator:
Mark Doctor, Safety and Design Engineer, Office of Technical Services, Federal Highway Administration, Atlanta, GA

Future Direction of Transportation in Southern California
Platinum 3/4
Professional Development Credits: 1 PDH (PTOE / PTP) • CM | 1 (ACP)
Developed by the Local Arrangements Committee
This session provides a forum for leaders from agencies in southern California to discuss their successes, challenges, and opportunities for the future of transportation with a national audience of leading transportation professionals. They will share their vision for the near and long term future of the agency’s programs, discuss the implications of disruption and innovation to their services and programs as well as methods to leverage new technologies or policies.

Learning Objectives:
• Identify near and long term vision for agency programs;
• Describe future implications of disruption and innovation on agencies; and
• Discuss approaches to leverage new technology or policies

Facilitator:
Cathy Leong, Senior Project Manager, Wilson Okamoto Corporation, Honolulu, HI

Speakers:
Dr. Joshua L. Schank, Chief Innovation Officer, Los Angeles County Metropolitan Transportation Authority, Los Angeles, CA
Ryan Chamberlain, District Director, California Department of Transportation - District 12, Irvine, CA
Carrie Bowen, District Director, California Department of Transportation - District 7, Los Angeles CA
Darrell Johnson, Chief Executive Officer, Orange County Transportation Authority, Orange, CA
Monday, August 15  2:00 – 3:30 p.m.

Farewell to Level of Service: The California Way
Platinum 1/2
Professional Development Credits: 1.5 PDH (PTOE/PTP) • CM | 1.5 (AICP)
Developed by the Transportation Systems Management and Operations Council and Transportation Planning Council

The session reviews the new metrics and implications of California’s foundational environmental law which no longer treats vibrant communities, transit, and active transportation options as adverse environmental outcomes. On the contrary, aspects of project location and design that influence travel choices, and thereby improve or degrade air quality, safety, and health, must be considered. A development project that results in vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact.

Learning Objectives:
• Understand the recommended thresholds for vehicle-miles of travel (VMT) by land use type;
• Identify evidence of induced demand related to new capacity, and meaning for ITS and system management applications; and
• Describe proposed mitigation measures for projects that exceed VMT thresholds.

Facilitator: John Lower, Associate Vice President, Iteris, Inc., Santa Ana, CA
Speakers:
• Updating CEQA’s Transportation Network
  Christopher Ganson, Senior Planner, Governor’s Office of Planning and Research, Sacramento, CA
• Farewell to Level of Service? California’s Change from LOS to VMT as a Key Performance Measure
  Erik Ruehr, Director of Traffic Engineering, VRPA Technologies, San Diego, CA
• City of Pasadena Transportation Impact Analysis Guidelines - VMT Experience
  Mike Bagheri, Transportation Manager, City of Pasadena, Pasadena, CA

Ready or Not...Self-Driving Vehicles Coming to a City near You
sponsored by WSP|Parsons Brinckerhoff
Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE/PTP) • CM | 1.5 (AICP)
Developed by the Transportation System Management and Operations Council

The transportation revolution bringing autonomous vehicles to the market has started. By 2035 we may find the majority of driving is done by machine not man. Is this a good thing? Yes, if we’re smart and plan now. This panel discussion encompasses speakers who are knowledgeable about the relevant technical aspects of autonomous vehicles as well as potential societal impacts.

Learning Objectives:
• Identify risks and challenges to implementation of autonomous vehicles;
• Describe societal impact of autonomous technology in transportation; and
• Understand potential impacts to the planning, design, operation, and maintenance of transportation infrastructure.

Facilitator: Steve Kuciemba, National ITS & Systems Operation Manager, WSP | Parsons Brinckerhoff, Baltimore, MD
Speakers:
• Think Uber Was Disruptive? Wait Till Autonomous Cars Arrive in a Neighborhood Near You
  Sam Schwartz, President and CEO, Sam Schwartz Transportation Consultants, New York, NY
• Self-Driving Vehicles: Ready or Not, Coming to a City Near You
  Wes Guckert, President & CEO, The Traffic Group, Inc., Baltimore, MD
• Policy and Regulatory Impacts of Autonomous Vehicles
  Bryant Walker Smith, Assistant Professor of Law, University of South Carolina, Columbia, SC

Vanishing Point: Vision Zero
sponsored by CBB Engineering
Platinum 7/8
Professional Development Credits: 1.5 PDH (PTOE/PTP) • CM | 1.5 (AICP)
Developed by the Transportation Safety, Complete Streets, and Transportation Systems Management and Operations Councils

The cities across the county are part of a growing number of North American communities that have adopted Vision Zero plans with goals to eliminate fatal and serious traffic crashes. This session draws from the lessons learned in Los Angeles, Portland, San Francisco, and New York and discusses important aspects of implementing Vision Zero plans as well as successful strategies that have been applied. The featured cities are in different stages of program development so the session will include practitioners who have a wide range of experiences in implementing Vision Zero plans and projects.

Learning Objectives:
• Identify the basic components of a Vision Zero plan;
• Describe the state of the practice in reducing traffic deaths and severe injuries through Vision Zero’s multi-disciplinary approach;
• Describe best practices in traffic safety research, crash analysis, and cost effective multimodal safety countermeasures;
• Understand how to successfully partner with multiple agencies in response to a policy directive; and
• Understand funding strategies and techniques for prioritizing investments.

Facilitator: Meghan Mitman, Principal, Fehr & Peers, San Francisco, CA
Speakers:
• Safe Mobility Santa Ana (SMSA) — Our Approach to Vision Zero
  Michele Martinez, Councilwoman, City of Santa Ana, Santa Ana, CA
• Growing the Vision for Safe Mobility: Vision Zero in the U.S.
  Leah Shahum, Director, Vision Zero Network, San Francisco, CA
• New York City’s Approach to Prioritizing Vision Zero
  Richard Carmona, Senior Project Analyst, New York City Department of Transportation, New York, NY
• Making Vision Zero Work: Understanding the Basics, Opportunities, and Challenges
  Rebecca Sanders, Research Lead, Toole Design Group, Portland, OR

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Sharing is Caring: What Does the Future of the Sharing Economy Look like for Transportation Providers?
Sponsored by WSP/Parsons Brinckerhoff
Platinum 9/10
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM • 1.5 (AICP)
Developed in collaboration with the Federal Highway Administration (FHWA) Office of Operations

There has been a rapid expansion of shared mobility services—carsharing, bikesharing, and transportation network companies such as Uber and Lyft. Coined as “disruptive technologies,” these and other innovative services challenge existing regulatory structures but enjoy growing popularity and usage within communities. The result is conflict with local regulators, policy makers, and existing transportation services. This session provides insight into the many dimensions of these new services and how to embrace and effectively integrate them into existing transportation systems as well as a brief overview of the recently release FHWA reports Shared Mobility: Current Practices and Guiding Principles and Smartphone Applications to Influence Travel Options.

Learning Objectives:
• Identify key facets of the sharing economy that affect the community, transportation providers, public agencies and consultants; and
• Describe methods to effectively utilize and integrate sharing economy technologies into existing systems.

Facilitator:
Susan Shaheen, Co-Director, Transportation Sustainability Research Center, Berkeley, CA

Speakers:
• New FHWA Releases: Shared Mobility: Current Practices and Guiding Principles, and Smartphone Applications to Influence Travel Options
  Susan Shaheen, Co-Director, Transportation Sustainability Research Center, Berkeley, CA

• Planning for and Regulating Shared Mobility Services
  Katherine Kortum, Program Officer, Transportation Research Board, Washington, DC

• Developing a Transportation Technology for Los Angeles: A Mobility Roadmap
  Ashley Hand, Transportation Technology Strategist Fellow, City of Los Angeles Department of Transportation, Los Angeles, CA

• Improving For-Hire Transportation: Lessons from the Transportation Network Companies (TNCs)
  Owen Curtis, Transportation Consultant, Curtis Transportation Consulting LLC, Alexandria, VA
The Traffic Impact Study is Dead–Long
Live the Transportation Impact Study!

Platinum 1/2
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM • 1.5 (AICP)
Developed by the Transportation Planning Council

This session highlights emerging trends in Transportation Impact Analyses, including the ITE Transit Standing Committee’s State of the Practice Report, the latest in ITE trip generation initiatives, and a review of current practices undertaken by Montgomery County, MD in considering replacing transportation impact studies with “pro rata share” districts.

Learning Objectives:
• Develop skills to engage stakeholders in your community (colleagues, elected officials, business and resident communities) about how transportation impact analyses are evolving and retaining relevancy;
• Explain a multimodal approach to transportation impact analysis delivery that is both progressive and practical; and
• Establish tools to pursue progressive changes to your local or state transportation impact analysis regulations.

Facilitator:
Dan Hardy, Principal, Renaissance Planning, Arlington, VA

Speakers:
• Transit and Transportation Impact Studies
  Brian Welch, Senior Manager, Planning Technical Services, Denver Regional Transportation District, Denver, CO
• Rethinking Transportation Impact Analyses in Montgomery County
  Ed Papazian, Vice President, Kimley-Horn & Associates, Inc., Reston, VA
  Eric Graye, Transportation Planning Supervisor, Montgomery County Planning Department, Silver Spring, MD
• Smart Growth Trip Generation
  Kelly J. Clifton, Associate Professor, Civil and Environmental Engineering, Portland State University, Portland, OR

Connected Vehicles: Irrelevant in an Autonomous World?

Sponsored by WSP|Parsons Brinckerhoff

Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM • 1.5 (AICP)
Developed by the Transportation Systems Management & Operations Council

With the coming disruption of autonomous vehicles, agencies and automotive manufacturers are rapidly moving forward with connecting vehicles to each other and connecting vehicles to infrastructure. What are the latest developments, and will they make a difference to safety and congestion? This session engages the audience with the latest from pilot deployments, innovative policies, and related programs.

Learning Objectives:
• Identify risks and challenges to implementation of connected vehicles and relationship to autonomous technology;
• Describe the developments in the deployment of connected vehicle technology; and
• Understand potential impacts to the planning, design, operation, and maintenance of transportation infrastructure due to connected technologies.

Facilitator:
Gummada Murthy, Associate Program Director–Operations, AASHTO, Washington, DC

Speakers:
• RoadX: Where Transportation and Technology Intersect
  Shailen Bhatt, Executive Director, Colorado DOT, Denver, CO
• Connecting California From Research to Reality
  Carlos Ortiz, Chief Operating Officer, ADVANTEC, Irvine, CA
• Connecting It All: Traffic Signals, Cameras, Connected Vehicles, Parking, Commuters and More
  Joshua Mello, Chief Transportation Official, City of Palo Alto, Palo Alto, CA
• Federal Perspective on the Evolving Deployment of Connected Vehicle Technology
  Kevin Dopart, Program Manager, Vehicle Safety & Automation, USDOT ITS Joint Program Washington, DC

Building Your Brand: Developing and Managing Your Reputation

Platinum 7/8
Professional Development Credits: 1.5 PDH

In our business, brands are almost entirely related to an individual's personal reputation. This session gives you tips to build, manage, strengthen, and in some cases, protect, your own personal reputation in three key areas: the workplace; your peer network; and on-line. The session begins with discussion of goal setting and creating an overall plan for who you want to be and what values your reputation should reflect. Then the session dives into the individual areas of your reputation with tips and takeaways for improvement in those areas.

Learning Objectives:
• Identify the characteristics of a personal brand;
• Describe methods to build and manage your brand in the workplace, peer network and on-line; and
• Understand approaches to improve areas of reputation when necessary.

Facilitator:
Shelley Row, President and CEO, Shelley Row Associates LLC, Annapolis, MD

Speakers:
• Building Your Reputation
  Wayne Tanda, Principal Consultant, Municipal Resources Group, Danville, CA
• How to Be Authentic in a World Full of Noise: Social Media and Web Technologies
  Jon-Mikel Bailey, President, Wood Street, Inc., Frederick, MD

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE's Facebook page (facebook.com/ITEHQ/)
**Session Descriptions**

**Tuesday, August 16  8:00 – 9:30 a.m.**

**Signal Your Intentions…the Latest in Traffic Control Devices and Analysis**  
Platinum 9/10  
**Professional Development Credits: 1.5 PDH (PTOE)**  
Developed by the Traffic Engineering Council

Learn about the latest approaches to the development of traffic control device guidance and application analytical resources to address the needs of the transportation professional community. This session presents information on impact and future of the Manual of Uniform Traffic Control Devices as well as approaches to resolve different traffic signal timing challenges.

**Learning Objectives:**
- Understand signal timing and analysis approach for multimodal streets; and
- Describe approaches and methods to improve traffic control device guidance.

**Facilitator:**  
*Mark Spencer,* Principal, W-Trans, Oakland, CA USA

**Speakers:**
- Simplified Signal Operations Analysis for Complex Multimodal Alternatives  
  *Kevin Lee,* Associate Engineer, Kittelson & Associates, Inc., Baltimore, MD
- Minimizing the Impact of Latest MUTCD on Traffic Signal Operation  
  *Jose Guedes,* Senior Engineer, ADVANTEC, Consulting Engineer, Irvine, CA
- Speeding Up the Process: Getting Traffic Control Device Guidelines into Practice  
  *Gene Hawkins,* Associate Professor, Texas A&M University, College Station, TX
- An Extended Solution to the Yellow Traffic Signal Dilemma  
  *Jay Beeber,* Executive Director, Safer Streets LA, Sherman Oaks, CA  
  *Mats Järström,* Consultant, Beaverton, OR

**Tuesday, August 16  10:30 a.m. – 12:00 p.m.**

**Breathe Easier While Saving the Earth through Transit**  
Platinum 1/2  
**Professional Development Credits: 1.5 PDH (PTOE / PTP)**  
*CM 1.5 (AICP)*  
Developed by the Transit Standing Committee of the Complete Streets Council

Transit services are recognized as one of the most cost effective methods of reducing emissions from sources affecting air quality. Explore and take home lessons from case studies on bus rapid transit, transit signal priority, and the impacts of shared mobility applications.

**Learning Objectives:**
- Describe impacts of transit services on communities;
- Illustrate uses of shared mobility applications in transit context; and
- Understand factors leading to successful completion and operation of transit projects/programs.

**Facilitator:**  
*Brian Welch,* Senior Manager, Planning Technical Services, Denver Regional Transportation District, Denver, CO

**Speakers:**
- INDYGO Red Line BRT: Two Exclusive Transit Lanes Aren’t Always Better than One  
  *Yvette Ochoa,* Civil Engineer, CDM Smith, Lisle, IL  
  *Bhanu Kala,* Civil Engineer, CDM Smith, Lisle, IL
- Moving People: Prioritizing Transit  
  *Reiner Blanco,* Transit Project Delivery Lead, Seattle Department of Transportation, Seattle, WA  
  *Owen Kehoe,* Speed and Reliability Engineer, King County Metro, Seattle, WA
- Transit Systems and the Impacts of Shared Mobility  
  *Joseph Iacobucci,* Director of Transit, Sam Schwartz Transportation Consultants, Chicago, IL
- ITE Application Supplement to the NACTO Transit Street Design Guide  
  *Jeffrey Riegner,* Vice President, Whitman, Requardt & Associates, LLP, Wilmington, DE  
  *Andy Kosinski,* Senior Transportation Engineer/Planner, Fehr & Peers, San Francisco, CA

**Piloting Connected Vehicles - Riding the Wave**

Sponsored by WSP|Parsons Brinckerhoff  
Grand Ballroom Salon D  
**Professional Development Credits: 1.5 PDH (PTOE / PTP)**  
Developed by the Transportation Systems Management & Operations Council in collaboration with the ITS Joint Program Office

The USDOT announced the selection of three connected vehicle pilot deployment sites that envision a broad spectrum of applications enabled by connected vehicle technologies driven by site-specific needs. The three initial sites include exploiting vehicle-to-vehicle (V2V) and intersection communications to improve vehicle flow and pedestrian safety in high-priority corridors in New York City, using connected vehicle technologies to improve safe and efficient truck movement along I-80 in southern Wyoming, and deploying multiple safety and mobility applications on and in proximity to reversible freeway lanes in Tampa, Florida. This session presents current information from the finalized concept of operations of the pilot sites and preview the next phase of deployment.
Learning Objectives:
• Describe the program and objectives of the initial connected vehicle pilot sites;
• Identify the site specific needs of the initial connected vehicle pilot sites; and
• Understand the applications and their use to achieve desired outcomes of each connected vehicle pilot.

Facilitator:
Jonathan Walker, Program Manager, Office of Operations, Federal Highway Administration, Washington, DC

Speakers:
• NYC’s Connect Vehicle Pilot Deployment Program
  John Tipaldo, Director, Systems Engineering, New York City Department of Transportation, Long Island City, NY
• Overview of Connected Vehicle Pilot Implementation on I-80 Wyoming
  Tony English, System Development Lead, Trihydro, Fort Collins, CO
• A Toll Road’s Experience in the Connected Vehicle Movement
  Steve Novosad, System Development Lead, Tampa Hillsborough Expressway Authority, Tampa, FL

Perspectives in Safety – Towards the Safety-Focused Organization
Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Transportation Safety Council

Transportation safety has always been an important element in the planning, design, operation and maintenance of transportation projects. Hear different perspectives and approaches to integrating safety into the transportation agency organization from funding and policy decisions, through management methods to project delivery.

Learning Objectives:
• Understand the influence and impact of organization processes, policy and program on transportation safety;
• Describe methods to create a safety-focused organization; and
• Identify different practices to improvement transportation safety.

Facilitator:
Greg Cohen, Executive Director, Roadway Safety Foundation, Washington, DC

Speakers:
• Safety Integration into Agency Program Delivery – The Culture Has Changed
  Richard Retting, Director of Safety/Research, Sam Schwartz Transportation Consultants, Washington, DC
• MAP-21 Safety Performance Measures
  Rob Ritter, Team Leader Strategic Integration, Office of Safety, FHWA, Washington, DC
• Systemic Safety 101
  Derek Leuer, Traffic Safety Engineer, Minnesota DOT, Roseville, MN
• Investing in Proactive Road Safety Improvements
  David Hill, Insurance Corporation of British Columbia, Surrey, BC Canada

Making Your Voice Heard: Advocacy
Platinum 7/8
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Advocacy Committee of the International Board of Direction

Learn how you can effectively advocate on a specific issue or topic to successfully affect change, avoiding the vitriol that accompanies many online and offline conversation. Participants will also provide input on how ITE should approach advocating for and against particular issues. Join the conversation about different approaches and trends in advocacy from ITE leadership, elected officials and issue advocacy consultants. Help ITE leadership reach consensus on the proactive approach for our organization and learn methods that individual professionals can use in their own organizations to affect change.

Learning Objectives:
• Understand what decision-makers are interested in hearing to inform their choices;
• Describe methods to frame discussion points and presentation to achieve a desired outcome; and
• Identify different approaches to issue advocacy.

Facilitator:
Jason DeGray, New England Regional Director of Engineering, Toole Design Group, LLC, Boston MA

Panelists:
• Shailen Bhatt, Executive Director, Colorado DOT, Denver, CO
• Neil Pedersen, Executive Director, Transportation Research Board, Washington, DC
• Anthony Petros, Councilman, City of Newport Beach, Newport Beach, CA
• Monica Suter, Senior Civil Engineer, City of Santa Ana, Santa Ana, CA
Livable, Attractive Communities
Completed by Integrating People Back into Streets
Sponsored by: Sanderson Stewart
Platinum 9/10
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Complete Streets Council

By putting people back into streets, you make communities more attractive to residents. Learn how to integrate people and places into the planning, design, operation and maintenance of multimodal transportation networks. Community examples from around North America will be discussed.

Learning Objectives:
• Describe effective means through examples of practice to successfully implement complete streets in communities; and
• Identify key aspects of complete street implementation specific to community context.

Facilitator:
Michael Sanderson, President and CEO, Sanderson Stewart, Billings, MT USA

Speakers:
• Successfully Addressing the Challenges of Adapting our Infrastructure to New Systems
  Rock Miller, Senior Principal, Stantec, Irvine, CA
• Tackling the Most Challenging Complete Streets Issues
  JD Douglas, Vice President, HDR Engineering, Irvine, CA
  Joe Alcock, Section Manager – Corridor Studies and Long-Range Planning, Orange County Transportation Authority, Orange, CA
• Context Sensitive Solutions Practitioner’s Guide
  Paul Moore, Principal, Nelson/Nygaard, Los Angeles, CA
• Great Streets are Safe Streets: Transportation as a Community Development Tool
  Nat Gale, Program Director, Vision Zero, Office of the Mayor, City of Los Angeles, CA

Is a Round Peg Right for a Square Hole?
Creative Concepts in Intersection Design
sponsored by MTJ Engineering
Platinum 1/2
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Traffic Engineering Council

While roundabouts are a type of performance-based intersection design, other non-traditional intersection designs such as the diverging diamond interchange, displaced left turn intersection, median U-turn intersection, and restricted crossing U-turn intersection are receiving application support. This session explores these examples as well as the emerging practice of intersection control evaluation.

Learning Objectives:
• Understand the operation, benefits, and costs of several innovative intersection and interchange treatments;
• Identify practical guidance to support implementation, maintenance, and operation of innovative intersections; and
• Describe the design implications and operational applications.

Facilitator:
Phil Rust, Senior Traffic Engineer, City of San Diego, San Diego, CA

Speakers:
• I.C.E. Age - The Emerging Best Practice for Evaluating Intersection Control
  Jerry Champa, ICE Technical Assistance Program Manager, California Department of Transportation, Sacramento, CA
  Jeff Shaw, Safety and Design Engineer, Office of Safety, Federal Highway Administration, Matteson, IL
• Diverging Diamond Interchanges Can Move More Than Cars
  Alex Ariniello, Public Works Director, Town of Superior, Superior, CO
• Getting More Life From Old Diamond Interchanges
  Dennis Eyler, Principal, SRF Consulting Group, Inc., Plymouth, MN
• Compact Roundabouts - A Cheaper Way to Deliver Congestion Relief
  Phil Weber, Service Group Manager, GHD, Inc., Etobicoke, Ontario, Canada

Opening a Window into Global Design Practices
Sponsored by Iteris
Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)

The world of transportation is no longer isolated and serving one country or one continent. Develop a broader perspective of how transformative transportation projects have impacted the communities around the world to bring change to your community. This session showcases global design examples of sustainable development, human-centered urban planning, and safety improvement from global leaders who have led visionary projects. These leaders will inspire the audience to embrace the challenge and take action to bring about change.

Learning Objectives:
• Understand how to gain buy-in from the public and policy makers and bring-to-life a visionary transportation project to reality;
• Illustrate methods to stay current with fast changing global transportation demand and bring value to our society that has tangible impact; and
• Describe different approaches to bring transformative projects to your local community.
Promoting Healthy Communities through Active Transportation
Platinum 9/10
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Complete Streets Council

View different and unique approaches to completing streets for municipalities of varying sizes and development patterns. Through examples of partnerships with non-traditional stakeholders and the community, learn about multi-disciplinary approaches to complete streets, based on health and engineering. Come away ready to create new transportation plans and policies for development in areas and corridors incorporating all modes.

Learning Objectives:
• Explain examples of non-traditional partnerships to promote healthy communities; and
• Differentiate between multi-disciplinary approaches to advance active transportation.

Facilitator:
Andy Boenau, Urban Planning Practice Leader, Timmons Group, Richmond, VA

Speakers:
• Applying Active Transportation Approaches to Create Healthy Communities
  Susan Henderson, Principal, PlaceMakers LLC, Albuquerque, NM
• Training the Next Generation of Engineering Advocates
  Fionnuala Quinn, Director, The Bureau of Good Roads, Oak Hill, VA
• Promoting Healthy Living Through Built Environments that Enable Active Transportation in Clearwater, British Columbia
  Peter Truch, Transportation Manager, Opus International, Kelowna, BC, Canada
• Designing for the Neighborhood: Giving Communities Ownership of Their Streets
  Alisa Arment, Project Design and Delivery Engineer, City of Seattle, Seattle, WA
Session Descriptions
Tuesday, August 16 | 4:00 – 5:30 p.m.

Two Wheels and a Track
Platinum 1/2
Professional Development Credits: 1.5 PDH (PTOE / PTP) ● CM | 1.5 (ACP)
Developed by the Pedestrian and Bicycle Standing Committee of the Complete Streets Council

Cycle tracks are rapidly becoming an overlapping second mode dedicated travel way option in communities where complete streets and alternate transportation modes are encouraged. This session explores lessons learned from international practice that have led to successful implementation and use by the bicycling community.

Learning Objectives:
- Identify design and operational treatments supporting safe bicycle mobility; and
- Describe lessons learned from installation and maintenance of dedicated bicycle infrastructure.

Facilitator:
Bob Murphy, President, RPM Transportation Consultants, LLC, Nashville, TN

Speakers:
- Finding Room for Bikes: A Case Study of Portland's 20s Bikeway Project
  Andrew Sullivan, Senior Engineering Associate, City of Portland–Bureau of Transportation, Portland, OR
- Sight Distance for Cycle Tracks to Avoid Turning Collisions
  Walter Okitsu, Principal, KOA Corporation, Monterey Park, CA
- A Guide for Creating Bicycle Boulevard Communities in the City of Fullerton
  Mark Miller, City Traffic Engineer, City of Fullerton, Fullerton, CA
- Calgary’s Cycle Track Pilot Network
  Ryan Martinson, Sustainable Transportation Specialist, Stantec Consulting, Calgary, AB Canada

Did You Set Yourself Up for Failure?
Making Innovation and Multimodal Work
Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE / PTP) ● CM | 1.5 (ACP)
Developed by the Complete Streets Council

Make multimodal solutions work for you; create innovative solutions to deliver projects. This session presents perspectives, tools, and techniques that have led to successful projects around North America through example projects in San Antonio, TX, USA; Edmonton, AB, Canada; Clackamas County, OR, USA, and West Lafayette, IN, USA.

Learning Objectives:
- Describe issues and strategies that lead to successful transit projects; and
- Identify strengths and weaknesses of multimodal project delivery techniques

Facilitator:
Bryan Jones, Principal, Alta Planning + Design, San Diego, CA

Speakers:
- San Antonio’s First Multimodal Transportation Plan: What is it? What did we learn?
  Kerri Collins, Vice President, Transportation Engineering/Planning, Parsons Brinckerhoff, San Antonio, TX
- Terry Bellamy, Assistant Director, Transportation & Capital Improvements, City of San Antonio, TX
- Clackamas Regional Connections: Making Multimodal Work
  Ray Delahanly, Project Manager, DKS Associates, Portland, OR
- Abbot Flatt, Project Manager, Clackamas County, Oregon City, OR
- City of Edmonton Main Streets Guideline
  Erin Toop, Project Engineer, City of Edmonton, Edmonton, AB Canada
- Tyler Golly, Associate Engineer, Stantec, Edmonton, AB Canada
- Realizing the Future of Transportation Project Delivery Today – Innovation and Collaboration for the State Street Redevelopment Project.
  Michael Cline, Vice President for Physical Facilities, Purdue University, West Lafayette, IN

Tools for Better Decision-Making:
Automated Signal Performance Measures – Part 2
Platinum 7/8
Professional Development Credits: 1.5 PDH (PTOE)
Developed by the Traffic Engineering Council in collaboration with the National Operations Center of Excellence

There is a strong national interest in transportation system performance measures. This workshop focuses on tactical performance measures that can be used to identify opportunities for 1) improving arterial progression and 2) improving split (green time) allocation. These tactical performance measures can be derived from high-resolution controller data. The workshop then discusses what high resolution controller data, how this data can be used to develop tactical performance measures, and outcome oriented probe data based performance measures for validating that implemented timing changes are working.

Learning Objectives:
- Understand the use of high resolution traffic signal controller data to improve traffic signal operation;
- Identify and explain outcomes of implementation of automated signal performance measures;
- Describe tactical actions to improve traffic signal performance in arterial signal systems; and
- Discuss the use of probe data to validate signal timing changes.

Facilitator:
Mark Taylor, Traffic Signal Operations Engineer, Utah Department of Transportation, Salt Lake City, UT

Speakers:
- Jamie Mackey, Statewide Signal Engineer Utah DOT, Salt Lake City, UT
- James Sturdevant, Director of Traffic Management, Indiana DOT, Indianapolis, IN
- James Robertson, Traffic Engineer, City of College Station, College Station, TX

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE's Facebook page (facebook.com/ITEHQ/)
Maintain Your Reputation by Communicating Effectively
Platinum 9/10
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed by the Public Agency Council

The workshop-style session focuses on how transportation professionals can learn how to mitigate perceptions of insensitivity to community values due to an adherence to rigid technical standards. By learning how to address community concerns effectively, transportation professionals can facilitate the development and adoption of the best transportation solutions. Hear actual case studies featuring difficult interactions between transportation professionals and the public and how these conflicts were resolved.

Learning Objectives:
• Understand methods to communicate information about complex projects to the public and decision-makers;
• Identify types of community concerns and approaches to respond to audience;
• Describe social media tools to improve communication; and
• Apply communication approaches to example situations.

Facilitator:
Jeffrey Young, Assistant County Engineer, McHenry County Division of Transportation, Woodstock, IL

Speakers:
• Jonathan Upchurch, Transportation Engineering Consultant, Ivins, UT
• Gary Pietrowicz, Deputy Managing Director, Road Commission for Oakland County, Beverly Hills, MI
• Gary Thomas, Senior Engineer, Armstrong Forensic Engineers, College Station, TX

Beyond Traffic: The Smart City Challenge
Sponsored by WSP|Parsons Brinckerhoff
Platinum 1/2
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 (AICP)
Developed in collaboration with the ITS Joint Program Office

Hear from the Smart City Challenge finalists. The vision of a Smart City is a holistic, integrated approach to improving surface transportation performance within a city and integrating this approach with other smart city domains such as public safety, public services, and energy. The USDOT has created a competition to find bold, innovative concepts to address how emerging transportation data, technologies, and applications can be integrated with existing systems in a city to address transportation challenges. The USDOT identified characteristics of a Smart City along with twelve vision elements: urban automation; connected vehicles; intelligent, sensor-based infrastructure; architecture and standards; low cost, efficient, secure, and resilient information and communications technology; smart land use; urban analytics; user-focused mobility services and choices; urban delivery and logistics; strategic business models and partnering opportunities; smart grid, roadway electrification, and electric vehicles; and connected, involved citizens.

Learning Objectives:
• Identify overarching vision and characteristics of Smart Cities; and
• Explain the twelve vision elements resulting in cities being named Smart Cities Challenge finalists.

Facilitator:
Kevin Dopart, Program Manager, Vehicle Safety & Automation, USDOT ITS Joint Program Office Washington, DC

Speakers:
• Austin, Texas
  James Dale, Assistant Director of Transportation, City of Austin, Austin, TX
• Columbus, Ohio
  Thea Walsh, Director, Transportation System and Funding, Mid-Ohio Regional Planning Commission, Columbus, OH
• Portland, Oregon
  Peter Koonce, Division Manager, Portland Bureau of Transportation, Portland, OR

Wednesday, August 17 8:30 – 10:00 a.m.
Liability A to Z: Today, Tomorrow and the Future
Platinum 3/4
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM • 1.5 (ACP)
Developed by the Transportation Expert Witness Council and the Transportation Safety Council

Public agencies, consultants, and contractors are faced with significant exposure to risk of traffic-related lawsuits, and the traveling public is exposed to sometimes severe hazards in the road environment. Better managing this risk can result in safer transportation facilities, fewer deaths and injuries, and reduced exposure to lawsuits. Further, increased exposure to risk is presented additional challenges in today’s environment of rapid change in disruptive technology such as the sharing economy, connected vehicles, autonomous vehicles and smart cities. This session identifies lessons learned, improvements to approaches, and how can these issues be better managed and operated to reduce the exposure to claims and law suits for public agencies, contractors, and consultants.

Learning Objectives:
• Describe risk factors leading to liability for public agencies and consultants;
• Identify challenges in liability from new and disruptive technologies; and
• Summarize lessons learned from current practice.

Facilitator:
Dalene Whitlock, Principal, W-Trans, Santa Rosa, CA

Speakers:
• Work Zone Legal Liability – Lessons Learned
  Bob Seyfried, Principal, RK Seyfried and Associates, Evanston, IL
• The Use of the Highway Safety Manual and Legal Liability Cases
  Gary Thomas, Senior Engineer, Armstrong Forensic Engineers, College Station, TX
• Performance Drive Geometric Design: How It Will Affect Liability
  Rich Coakley, Principal, Transportation Engineer, CH2M, Milwaukee, WI
• Liability Implications of Connected and Autonomous Vehicles
  Robert Peterson, Professor of Law, Santa Clara University, Santa Clara, CA

Measuring Up: Performance Management Tools
Sponsored by Iteris
Platinum 7/8
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM • 1.5 (ACP)
Developed by the Transportation Systems Management & Operations Council and Public Agency Council

Performance management is an integral element to the U.S. MAP-21 national performance goals for the Federal highway programs administered by stateDOTs and MPOs for safety, congestion reduction, infrastructure condition, system reliability, freight movement, sustainability, and project delivery. Each of these areas is moving through the rulemaking process. This session has an update on the rulemaking and discussion of the actions state, regional and local governments are taking now to prepare for implementation.

Facilitator:
Jeff Lindley, Associate Administrator, Office of Operations, Federal Highway Administration, Washington, DC

Speakers:
• FHWA’s Third Performance Management NPRM—What’s Next?
  Francine Shaw Whitson, Team Leader, Policy and Guidance, Office of Infrastructure, Federal Highway Administration, Washington, DC
• Customer’s Choice: Performance Management Today and Beyond
  Mara Campbell, Performance and Asset Management Chief Technologist, CH2M, New Florence, MO
• Perspective on Leading Performance Management in the Regional Context
  Michael Alexander, Director, Center for Livable Communities, Atlanta Regional Commission, Atlanta, GA
• Connecting Information and Systems to Improve Performance Under MAP-21
  John Thomas, Director of Performance Measures, Utah Department of Transportation, Salt Lake City, UT

Self-Enforcing Roadways
Platinum 9/10
Professional Development Credits: 1.5 PDH (PTOE / PTP)
Developed by the Transportation Safety Council in collaboration with the Federal Highway Administration Office of Safety and the Transportation Association of Canada

A self-enforcing road is planned and designed such that the roadway encourages drivers to maintain safe operating speeds in harmony with the posted speed limit. Properly designed self-enforcing roadways can be effective in producing speed compliance and may contribute to less severe crash outcomes as a result. This conversation circle session provides background information and seeks audience input to help shape the content of a new FHWA/ITE informational report on self-enforcing roadways.

Learning Objectives:
• Identify the key characteristics of a self-enforcing roadway
• Understand the relationship between design speed, target speed, speed limit and travel speed on roadways
• Discuss concept and content for a proposed ITE informational report on the subject

Facilitator:
• Self-Enforcing Roadway Concepts for Two-Lane Rural Highways
  Eric Donnell, Professor of Civil Engineering, Penn State University, University Park, PA
• Perspectives from the Development of the Transportation Association of Canadian Geometric Design Manual
  Carl Clayton, Executive Vice President, Stantec, Edmonton AB, Canada
Focus Sessions

The Transportation University Research Network: Leveraging the Next Generation of ITE Leadership
Gold Key I
Professional Development Credits: 1.5 PDH (PTOE / PTP)
Developed by the Transportation Systems Management & Operations (TSM&O) Council and Transportation Education Council

This session features a panel discussion with government, industry, and university representatives to facilitate a larger group dialogue to produce a synopsis of the critical issues and challenges between the practicing element of the transportation professional community and the transportation education and research functions of the university community. This supports and extends the strategic initiative of the TSM&O Council in concert with the Transportation Education Council to create best practices to connect ITE leadership in transportation community to university student and research relations at state and local levels around emerging and/or rapidly evolving “disruptive” areas of practice.

Learning Objectives:
• Discuss the challenges to connecting the practicing transportation community to the education and research community; and
• Identify critical issues and path to increase collaboration between the groups in the face of rapidly evolving and disruptive technologies.

Facilitators:
John Corbin, Adjunct Professor, University of Wisconsin, Madison, WI
Michelle Birdsall, ITE Journal Senior Editor and Writer, Institute of Transportation Engineers, Washington, DC

Panelists:
• Richard Cunard, Engineer of Traffic and Operations, Transportation Research Board, Washington, DC
• Steve Lavrenz, Technical Services Manager, National Operations Center of Excellence, Washington, DC
• Laurie Matkowski, Manager, Office of Transportation Operations Management, Delaware Valley Regional Planning Commission, Philadelphia, PA
• Les Jacobson, Vice President/ Senior ITS Manager, WSP | Parsons Brinckerhoff, Seattle, WA
• Nicole Oneyear, Associate Scientist, InTrans, Iowa State University, Ames, IA, USA

Progressive Design Practices and Technology: Where is the Ethical Tipping Point?
Gold Key II
Professional Development Credits: 1.5 PDH (PTOE / PTP) • CM | 1.5 Ethics (AICP)
Developed by the Ethics Standing Committee of the Coordinating Council

This session will explore ethical issues and situations facing our membership with a focus on new technologies, automated vehicles, and complete streets. The session will include presentations and case studies which identify appropriate solutions and ethical values in response to our changing ethical challenges. This session builds on the 2015 Annual Meeting Session titled, Ethics–Global Perspectives.

Learning Objectives:
• Recognize examples of ethical issues that have arisen in the profession;
• Identify appropriate solutions and ethical values in response to our changing ethical challenges; and
• Discuss the ITE Canons of Ethics and how apply it to professional practice.

Facilitator:
Todd Szymkowski, Traffic/ITS Specialist, Gannett Fleming, Inc., Madison, WI

Panelists:
• Jeffrey Young, Assistant County Engineer, McHenry County Division of Transportation, Woodstock, IL
• Marsha Anderson Bomar, Executive Director, Gwinnett Village Community Improvement District Senior Principal, Norcross, GA
• John Corbin, Adjunct Professor, University of Wisconsin, Madison, WI

Trip Generation – Looking Forward
Gold Key I
Professional Development Credits: 1.5 PDH (PTOE / PTP)
Developed by the Trip Generation Task Force of the International Board of Direction

Trip Generation and the associated Trip Generation Handbook Recommended Practice are core items in ITE’s technical publication portfolio. The leadership of ITE is looking at the future of these publications and considering the feasibility of immediate updates as well as different options for delivery format. The discussion includes issues such as the development model and opportunities for collaboration with partners to fill them. In addition, there will be discussion about what on-going member group would be responsible for guiding trip generation products of ITE in the future.

Facilitator:
John Kennedy, Senior Principal, VHB, Boston, MA USA
Focus Sessions

The Future of Resource Documents
Gold Key I
Professional Development Credits: 1.5 PDH
Developed by the Transportation Consultants Council

How do we research, how do we analyze systems, how we reference our technical reports is rapidly changing, and ITE needs to respond. This session create a dialogue to look at our future needs in terms of research documents, operations manuals, handbooks, guidelines, recommended practices, and informational reports. In addition, the discussion addresses industry, educational institution, and public stakeholder needs. Lastly, the conversation will identify the most appropriate information dissemination method for the next two, five and ten years: print tablets, smartphone, web-based delivery? And whether interactive, video or static deliver mechanism would be most appropriate.

Learning Objectives:
• Understand of how quickly things are changing in the way research information is being stored and accessed;
• Awareness of some of the new processes and access options through examples of other organizations that may have been successful, and obtaining insight from this experience (online, searchable, downloadable modular, open source);
• Identify and explain the void experienced in our current resource/ document library system;
• Dialogue (brain-storm) to identify ways that ITE should address this issue; and
• Dialogue (brain-storm) to identify ways that our educational institutions could help address this issue.

Facilitator:
Alf Guebert, Manager – Transportation, Watt Consulting Group, Calgary, AB, Canada

Panelists:
• Rhonda Young, Associate Professor, Gonzaga University, Spokane, WA
• Zaki Mustafa, Principal Transportation Engineer, City of Los Angeles Department of Transportation, Los Angeles, CA
• Neelam Dorman, Senior Engineer, Kittelson & Associates, Inc. Orange, CA
• Cathy Leong, Senior Project Manager, Wilson Okamoto Corporation, Honolulu, HI

Beyond Cracking the Glass Ceiling
Gold Key I
Professional Development Credits: 1.5 PDH

Women are seen in more boardrooms and in more meaningful positions than a decade ago but are still underrepresented. Are you prepared to navigate a career path that opens the doors through which you want to walk? Do you have questions about a challenge you face?

Learning Objectives:
• Gain insights into the gaps that often hold women back
• Learn how to enhance your support network

Facilitator:
Marsha Anderson Bomar, Executive Director, Gwinnett Village Community Improvement District, Norcross, GA

Panelists:
• Nadine Lee, Deputy Director, Office of Innovation, LA Metro, Los Angeles, CA
• Jennifer Pangborn-Dolde, Senior Project Manager, WSP | Parsons Brinckerhoff, St. Louis, MO
• Francine Shaw Whitson, Team Leader, Policy and Guidance, Office of Infrastructure, Federal Highway Administration, Washington, DC
• Eva Lerner-Lam, Director, BYD Motors, Inc., Tenafly, NJ

State of the Art and High Technology Applications for Grade Crossing Safety
Sponsored by RailPros
Gold Key I
Professional Development Credits: 1.5 PDH [PTOE]
Developed by the Railroad Grade Crossing Committee of the Traffic Engineering Council

This session showcases state-of-the-art grade crossing and rail corridor safety treatments and applications with a focus on Southern California implementations with a field trip to selected grade crossings in Orange County. Panelists present on the newly updated USDOT grade crossing online database; recent research results on a right-of-way trespass / intrusion detection technology demonstration project; use of the online quiet zone calculator and applications to Southern California quiet zones; recent applications of pre-signal and queue cutter technologies to address vehicular blockage of grade crossings; and potential applications of the serial data interface for providing interconnect between traffic signal controllers and rail grade crossing warning systems.

Learning Objectives:
• Discuss existing and evolving federal requirement and guidance for railroad grade crossings;
• Describe recent research results related to state-of-the-art countermeasures to intrusion and blockage of the railroad right-of-way; and
• Identify interconnected applications between railroad and traffic signal control.

Facilitator:
Brent Ogden, Regional Vice President, Kimley-Horn, Oakland, CA

Speakers:
• Updated Electronic Grade Crossing Database and Reporting Requirements
  Brian Gilleran, Grade Crossing Safety Engineer, Federal Railroad Administration, Washington, DC
• Status Report on Volpe test of a ROW Trespass / Intrusion Detection and Warning System
  William Baron, Project Manager, Volpe Transportation Center, US Department of Transportation, Cambridge, MA
• Use of Quiet Zone Calculator and Formulation of Quiet Zones
  Juan M. Diaz, President and CEO, JMD Consulting, West Covina, CA
• Current and Potential Future Applications of Serial Data Interface
  Rick Campbell, President, Campbell Technology Corporation, Fort Worth, TX
Technical Tours

These technical tours require a separate fee and registration and are not part of any full or one-day registration fees. Onsite registration for these tours is permissible providing there is space available on a desired tour. Tour participants should meet in the hotel lobby 15 minutes prior to the stated departure time below.

Tuesday, August 16
7:00-9:30 a.m.
**Exclusive Tour of the Disneyland® Resort Transportation Facilities**

A trip to Anaheim is not complete without a visit to the Disneyland® Resort! After leaving the Anaheim Marriott, it is a short walk to Toy Story parking lot on Harbor Blvd. A shuttle will then bring you to the Disneyland Resort transportation center. From there, the tour will move to the Mickey & Friends Parking Structure. Located off Disneyland Drive, this six-level structure, one of the largest in the world, can hold over 10,000 vehicles. During the tour, participants will hear about how the organization of this garage, through its one entrance, color-coded floors, and the placement of elevators and escalators, efficiently manages the flow of visitors. The tour will include a magical surprise along the way! Participants are encouraged to wear comfortable walking shoes.

Tuesday, August 16
3:30-5:30 p.m.
**Tour of the Anaheim Regional Transportation Intermodal Center (ARTIC)**

Professional Development Credits: 1.0 PDH (PTOE / PTP)

Opened in 2014, the Anaheim Regional Transportation Intermodal Center serves as an Amtrak train station, Metrolink commuter rail station, and a bus station for Greyhound, Megabus, Orange County Transportation Authority, Anaheim Resort Transportation, and Tres Estrellas de Oro.

Tour participants will be treated to a behind-the-scenes tour of this stunning facility. In addition, tour participants will hear the history of its construction, overview of the funding mechanisms, and future plans.

Wednesday, August 17
8:00 a.m.-1:00 p.m.
**Urbanist Long Beach and Bicycle Friendliness Tour**

Join us for a 10-mile adventure into the future of cities. Starting at the Bike Station (a secure bicycle parking, repair service, resale and rental facility), tour members will ride to City Hall to an art exhibit celebrating the city of Long Beach’s bicycle goal. Continuing along one of the downtown separated bicycle lanes (one of the first systems in the United States), there will be a brief stop at a bicycle corral and curb extension to show efficient use of excess road space. Utilizing traditional bicycle lanes, the tour will head toward the waterfront and the newly expanded beachfront bicycle trail.

A highlight of the tour will be a visit to the innovative Second Street Green Sharrow Lane, where the city was able to double bicycle usage on a busy 4-lane road traveled by 35,000 cars daily with heavily-used parallel parking, and numerous popular businesses restaurants, cafes, and clubs. Then the tour will move onto Vista Bike Boulevard, a pleasant quiet bicycle corridor created through a traffic calming program.

Before returning, the tour will make a last stop at a parklet, a temporary structure serving as an outdoor dining facility. Here tour members will hear about the architectural highlights, future plans, and insight on how the city has used both urban design and active transportation to meet its vision.

The city is nearly flat and the route features infrastructure designed to minimize exposure to traffic. Note: there are two approximately 30-minute transfers (to the Bike Station from the hotel and back to the hotel).
Monday, August 15, 3:30 – 4:30 p.m. Marquis Ballroom

Farewell to Level of Service: The California Way

- Performance Metrics and Supportive Analysis Methodologies for Highly Urbanized, Multi-Modal Systems
  Stephanie Dock, Research Program Specialist, DDOT, Washington, DC
- Small Data and VMT Reduction: Using GIS Tools to Quantify Project Impacts
  Brent Turley, Senior Transportation Engineer, Transpo Group, Salt Lake City, UT
- Analysis of Bluetooth and Wi-fi Technology to Measure Wait Times of Personal Vehicles at Arizona-Mexico Ports of Entry
  Yung Koprowski, Project Manager, Lee Engineering, Phoenix, AZ
- Use of “Big Data” for Transportation Performance Assessment
  Bastian Schroeder, Principal Engineer, Kittleson & Associates, Inc., Wilmington, NC

Vanishing Point: Vision Zero

- Using Active Traffic Management to Reduce Crashes and Crash Severity
  Jim Peters, National Director of Transportation Technology, DKS Associates, Portland, OR
- Elevating Safety on Rural Roads – The Local Road Safety Plan
  Devin Moore, Engineer, Kimley-Horn, Reno, NV
- LA 235 Arterial Corridor Safety Performance Evaluation
  Dante Perez-Bravo, Senior Transportation Engineer, CH2M, Chicago, IL
- Combining a Smart Work Zone with Effective Communication and Stakeholder Needs
  John Habermann, Research Engineer/I-35 Mobility Coordinator, Texas A&M Transportation Institute, Waco, TX
- Intelligent Work Zones on Traffic Critical Projects
  Tim Simodynes, ITS Engineer, Iowa DOT, Ames, IA
- All Roads Transportation Safety (ARTS) Hot Spot Safety Program
  Scott Mansur, Transportation Safety Engineer and Planner, DKS Associates, Portland, OR
- Every Day Counts 3: Data-Driven Safety Analysis and Road Diets
  John McFadden, Safety Engineer, Office of Technical Services, Federal Highway Administration, Baltimore, MD
- Potential Impacts of Wider Pavement Markings on Two-Lane Rural Highways
  Kevin Chang, Assistant Professor, University of Idaho, Moscow, ID

Tuesday, August 16, 9:30 – 10:30 a.m. Marquis Ballroom

The Traffic Impact Study is Dead - Long Live the Transportation Impact Study!

- Multimodal Accessibility
  Dan Hardy, Principal, Renaissance Planning, Arlington, VA
- Urban Trip Generation: Testing Alternative Trip Generation Models in an Urban Setting
  Ryan Westrom, Senior Transportation Planner, DDOT, Washington, DC
  Jamie Henson, Deputy Associate Director, Policy Planning and Sustainability Administration, DDOT, Washington, DC
- Estimation of Person and Modal Trips from Baseline Site Trip Generation Data
  Mallikarjuna Kenchappagoudra, Product and Research Manager, Transoft Solutions Inc., Richmond, BC Canada
- Executing a Multi-tiered and Multi-disciplined Engagement Strategy for Integrated Transportation and Land Use Planning
  Fabiola MacIntyre, Manager-Green Line, City of Calgary, Calgary, AB Canada

Connected Vehicles: Irrelevant in an Autonomous World?

- The ODOT Approach to Creating a Connected Vehicle Strategic Framework
  Jim Peters, National Director of Transportation Technology, DKS Associates, Portland, OR
- Integrating Connected Vehicle Technologies in Support of Traffic Incident Management
  Steven Cyra, HNTB Fellow, Associate Vice President, Traffic Operations/ITS, HNTB Corporation, Milwaukee, WI

Signal Your Intentions…the Latest in Traffic Control Devices and Analysis

- Using an Ecosystem of Smart Technology to Improve Traffic Performance: The Case Study of Ann Arbor, Michigan
  Wendy Tao, Transportation Planner, Siemens ITS, Austin, TX
- A Pilot Study of Interactions between Driver and Pedestrian Features at Signalized Intersections
  Pei-Sung Lin, Program Director, CUTR, University of South Florida, Tampa, FL
- Warrants for Adaptive Signals
  Gordon Lum, Traffic Engineer II, Willdan Engineering, Elk Grove, CA
- Exploring Travel Time Reliability Using Bluetooth Data Collection: Case Study in San Luis Obispo, California
  Krista Purser, Master’s Candidate, Department of Civil & Environmental Engineering, California Polytechnic State University, San Luis Obispo, CA
Tuesday, August 16, 3:00 – 4:00 p.m. Platinum Foyer

Is a Round Peg Right for a Square Hole? Creative Concepts in Intersection Design
- Not Exactly Round (about)…Oval Roundabouts
  Rachel Price, Design Engineer, Reid Middleton, Everett WA
- Going the Flow: How to Gain Support from the Community and City Officials
  Phil Rust, Senior Traffic Engineer, City of San Diego, San Diego, CA
- Rural Roundabout for Improved Safety
  Wendy Dandeneau, Project Engineer, California Department of Transportation, San Diego, CA

- Using ITS Infrastructure and Performance Measures to Improve Real-time Traffic Operations
  John Abraham, Director of Traffic Operations, Macomb County Department of Roads, Mt. Clemens, MI
- Bottleneck Identification Tool and Innovative Solutions for Congestion Mitigation
  Joe Bared, Team Leader, Operations Research and Development, Federal Highway Administration, McLean, VA
- Use of “Big Data” for Transportation Performance Assessment
  Bastian Schroeder, Principal Engineer, Kittelson and Associates, Inc., Wilmington, NC
- Combining Data from Multiple Sources for the Computation of MAP-21 System Performance Measures
  Deanna Peabody, Transportation Engineer, Trafinfo Communications, Inc., Woburn, MA

Promoting Healthy Communities through Active Transportation
- Do Smart Street Projects Actually Encourage Active Transportation.
  Debra Bieber, President, Bieber Investment, Oak Park, CA
- Analysis of a University Bike-Sharing Program and Lessons Learned
  Margaret McNamara, PhD Candidate, Purdue University, West Lafayette, IN
  Mathew Kulathintekizhakethil, Ph.D. Candidate, Purdue University, West Lafayette, IN
- One Percenters for Active Travel
  Matt Harridge, Director, O’Brien Traffic, Hawthorn East, Victoria, Australia
- Prioritizing Pedestrians and Bicycles over Passenger Vehicles
  Nadine King, Senior Transportation Engineer, Watt Consulting, Victoria, BC, Canada
- Pedestrian Gap Analysis–Synthesizing Infrastructure Needs with Health Data in Project Prioritization
  Werner Pieters, Civil Engineer, County of San Diego, San Diego, CA
- A Holistic Approach to Complete Streets Planning
  Bhanu Kala, Civil Engineer, CDM Smith, Lisle, IL

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VISIT US AT BOOTH 206
Workshops

These workshops require a separate fee and are not part of any full or one-day registration fees. Onsite registration for these workshops is permissible providing there is space available in desired workshop.

Wednesday, August 17, 1:00 – 5:00 p.m.

Designing Transit Streets: Places to Be, Places to Go
Platinum 1/2
Professional Development Credits: 4 PDH (PTOE / PTP) • CM • 4 (ACP)
Developed by the Complete Streets Council in collaboration with the National Association of City Transportation Officials (NACTO)

The NACTO Transit Street Design Guide brings 21st-century street design together with best practices in transit operations and network planning. The Transit Standing Committee of the ITE Complete Streets Council is developing an application supplement. This workshop features technical considerations and implementation case studies from these supplements and offer opportunities for Q&A with the panelists as well as hands-on breakout exercises.

Learning Objectives:
- Understand and apply the core principals of the Transit Street Design Guide, including short and long-term strategies;
- Identify workable design solutions to enhance multimodal safety and mobility, and create a vibrant public realm;
- Gain knowledge of component elements and success factors described in the Transit Street Design Guide; and
- Awareness of case studies and peer cities for future collaboration.

Facilitators:
- Matthew Roe, Director, Designing Cities Initiative, National Association of City Transportation Officials (NACTO), New York, NY
- Brian Welch, Senior Manager, Planning Technical Services, Denver Regional Transportation District, Denver, CO
- Lawrence Marcus, Bureau Chief, Transportation Engineering & Operations, Arlington County, Arlington, VA

Tools and Techniques to Support Vision Zero – Data Driven Safety Analysis
Platinum 3/4
Professional Development Credits: 4.0 PDH (PTOE / PTP)
Developed in collaboration with the Federal Highway Administration Office of Safety

This workshop will present a suite of tools and resources to assist transportation professionals to perform safety evaluations of various parts of the right of way and all modes of transportation.

Learning Objectives:
- Recognize the tools and resources available to public agencies and consultants to support analysis of transportation safety solutions;
- Understand the appropriate application of different safety tools and resources; and
- Identify the connection between safety analysis and outcome-based safety performance measures.

Facilitator:
John McFadden, Safety Engineer, Office of Technical Services, Federal Highway Administration, Baltimore, MD

Platinum 7/8
Professional Development Credits: 4.0 PDH (PTOE)
Developed in collaboration with the Transportation Research Board

The Transportation Research Board is working with ITE and the SimCap Standing Committee of the Traffic Engineering Council on outreach activities associated with the summer release of the Highway Capacity Manual 6th Edition (HCM 6). This workshop will present methods from HCM 6 and why these techniques are relevant to today’s problems. The session will cover implementing the HCM 6 in various settings, such as reliability, freeways and interrupted flow facilities.

Learning Objectives:
- Describe the overall approach of 6th edition of the Highway Capacity Manual (HCM);
- Understand the application of HCM 6 to system reliability, freeways, arterial streets; and
- Understand the multimodal aspect of HCM 6 analysis techniques.

Facilitator:
Jess Billmeyer, Project Manager, AECOM, Madison, WI

Speakers:
- Bastian Schroeder, Principal Engineer, Kittelson and Associates, Inc., Wilmington, NC
- Dave Stanek, Associate, Fehr and Peers Transportation Consultant, Sacramento, CA
- Lee Rodegerdts, Principal Engineer, Kittelson and Associates, Inc., Portland, OR
- Aaron Elias, Senior Engineer, Kittelson and Associates, Inc., Oakland, CA
- Scott Washburn, Professor, University of Florida, Gainesville, FL

Connected Vehicle Deployment Resources
Platinum 9/10
Professional Development Credits: 4.0 PDH (PTOE)
Developed in collaboration with the ITS Joint Program Office

This workshop sponsored by USDOT focuses on the portfolio of the free resources available to help practitioners deploy to connected vehicle technology. This session will cover vehicle-to-infrastructure (V2I) guidance, training, technical support, test bed affiliation, connected vehicle pilots, open data, and standards.

Learning Objectives:
- Identify guidance, training and technical support resources available to deploy connected vehicle technology
- Describe the test bed affiliations and pilot sites
- Understand the implications of open data and standards for connected vehicle technology

Facilitator(s):
Jonathan Walker, Program Manager, Office of Operations, Federal Highway Administration, Washington, DC
Cheryl Lowrance, Principal ITS Engineer, Noblis, Washington, DC
ITE Council
and Committee
Meetings

Below is a list of ITE Council and Committee Meetings taking place during the ITE 2016 Annual Meeting & Exhibit. The listing is alphabetical based on the name of the council or committee. If you are looking for a meeting that is not on this list, it may have been added to the schedule after this program was printed. Please stop by the Registration Desk for updated information.

• Advocacy Committee Meeting
  Tuesday, August 16, 9:30 – 10:30 a.m., Grand Ballroom Salon A

• Complete Streets Council Meeting
  Sunday, August 14, 4:30 – 6:00 p.m., La Jolla Room

• Coordinating Council Meeting
  Sunday, August 14, 8:00 – 11:00 a.m., Newport Beach Room

• CV/AV Task Force Meeting
  Tuesday, August 16, 1:30 – 6:15 p.m., and Wednesday, August 17, 8:30 a.m. – 12:00 p.m., Grand Ballroom, Salon A

• Nominating Committee Meeting
  Monday, August 15, 2:00 – 2:45 p.m., Gold Key II Room

• Public Agency Council Meeting
  Sunday, August 14, 4:30 – 6:00 p.m., Las Angeles Room

• Sustainability Standing Committee
  Sunday, August 14, 11:00 a.m. – 12:30 p.m., Newport Beach Room

• Traffic Engineering Council Meeting
  Sunday, August 14, 4:30 – 6:00 p.m., Rancho Las Palmas Room

• Transportation Consultants Council Meeting
  Sunday, August 14, 3:00 – 4:30 p.m., Las Angeles Room

• Transportation Expert Witness Council Meeting
  Sunday, August 14, 1:00 – 2:30 p.m., Newport Beach Room

• Transportation Planning Council Meeting
  Sunday, August 14, 3:00 – 4:30 p.m., La Jolla Room

• Transportation Safety Council Meeting, Sunday, August 14, 4:30 – 6:00 p.m., Newport Beach Room

• Transportation Systems Management & Operations (TSM&O) Council Meeting
  Sunday, August 14, 3:00 – 4:30 p.m., Rancho Las Palmas Room

• Trip Generation Committee Meeting
  Tuesday, August 16, 4:00 – 5:30 p.m., Grand Ballroom, Salon D

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)

Acknowledgments
ITE 2016 Annual Meeting & Exhibit Local Arrangements Committee

Chair
Rock Miller
Senior Principal, Stantec, Orange, CA

Vice Chair
Zaki Mustafa
Executive Officers, Project Delivery, Department of Transportation, City of Los Angeles, CA

Technical Tours Coordinator
John A. Lower
Associate Vice President, Iteris, Santa Ana, CA

Liaison to Affiliated Organizations
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Chief Operating Officer, Advantec, Irvine, CA

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Associate, Gibson Transportation Consulting, Los Angeles, CA

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Mobility & Healthy Living Programs Officer, City of Long Beach, CA

Trevor Briggs
Traffic Analyst/Engineer, Kimley-Horn, Orange, CA

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Transportation Planner, Iteris, Los Angeles, CA

Rafael Cobian
Associate Traffic Engineer, Traffic Engineering Division, Department of Public Works, City of Anaheim, CA

George Dore
Senior Traffic Engineer, AECOM, Orange, CA

Neelam Sharma Dorman
Transportation Engineer, Kittelson & Associates, Santa Ana, CA

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Executive Director, Livable Communities, Long Beach, CA

Jonathan Hofert
Senior Engineer, Los Angeles County Metropolitan Transportation Authority, Rancho Cucamonga, CA

Dean Lehman
Assistant Deputy Director, County of Los Angeles, Dept. of Public Works, Alhambra, CA

Cathy Leong
Senior Project Manager, Wilson Okamoto Corporation, Honolulu, HI

Kaylinn Roseman Pell
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Jennifer Rosales
Senior Transportation Engineer, City of San Clemente, CA

Dinah Saleh
Iteris, Los Angeles, CA

Julia Salinas
Transportation Planning Manager, Los Angeles County Metropolitan Transportation Authority, Los Angeles, CA

Brian Ulaszewski
Executive Director, LEED AP, CityFabric, Long Beach, CA
Acknowledgments

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Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Exhibit Hall

ITE Resource Center
413

Post your comments, photos, or join the conversation online using hashtag #iteanaheim and/or on ITE’s Facebook page (facebook.com/ITEHQ/)
Exhibitors

Advantec Consulting Engineers
(Booth 117)
Carlos Ortiz
cortiz@advantec-usa.org

ARTBA
(Booth 617)
Robinson Vasquez
rvasquez@artba.org

The WZSC is dedicated to providing transportation agencies, highway engineers and contractors, labor unions, insurance companies, motor clubs, news media and other interested parties and general public with a wealth of information on how to make road construction zones safer for motorists, pedestrians, and highway workers.

ATSSA
(Booth 414)
Jess Maggi
jess.maggi@atssa.com

ATSSA’s core purpose is to advance roadway safety. ATSSA represents the roadway safety industry with effective legislative advocacy, traffic control safety training, and a far-reaching member partnership. ATSSA members accomplish the advancement of roadway safety through the design, manufacture, and installation of road safety and traffic control devices. Visit www.atssa.com for more information.

Caliper Corporation
(Booth 409)
Paul Ricotta
paul@caliper.com

Caliper Corporation is the developer of TransCAD, the predominant and premier software package for travel demand modeling in North America. Caliper is also the developer of TransModeler, a micro-simulation software package that provides unprecedented capability, usability, and capacity for microscopic traffic modeling and dynamic traffic assignment. Both applications are extensible and fully-integrated with Caliper’s full-featured and user-friendly geographic information and often deployed in tandem for a complete integration of macroscopic and microscopic modeling techniques.

Campbell Company
(Booth 308)
Tony Wheeler
tonyw@pedsafety.com

Campbell Company is an ISO 9001:2008 certified company that designs, engineers, and manufactures pedestrian accessibility products that focus on the traffic industry – specifically the intersection crosswalk. Campbell Company’s innovative solutions include Accessible Pedestrian Signals, Push Buttons, Pedestrian Stations, Signs and Hardware.

ComNet Communications Networks
(Booth 306)
Frank (“Skip”) Haight
fhaight@comnet.net

Communications Networks of Danbury, Connecticut, doing business as ComNet, is a Fiber Optic communication and hardened Ethernet product manufacturer. ComNet focuses on providing innovative communications networking solutions to the Intelligent Transportation Market. The product line consists of fiber optic video, data and audio transmission products as well as a broad Ethernet product line, designed to the specific requirements for Closed-loop traffic signalization and video detection systems, roadside CCTV surveillance, electronic toll collection, and variable message signs.

Connected Signals
(Booth 217)
Lindsey Lawrence
lindsey@connectedsignals.com

Connected Signals is a connected car data analytics company that provides vehicles with predictive, real-time, traffic signal information using existing infrastructure. This data, derived using sophisticated proprietary models, supports applications that improve safety, increase fuel efficiency, reduce carbon emissions, and improve traffic flow.

Counting Cars
(Booth 401)
Nancy Crowe
ncrowe@countingcars.com

CountingCars.com is an American manufacturer and online store that develops and sells durable, cost-effective transportation data collection equipment. We’ve created traffic counting products that simplify data collection and processing data. We specialize in vehicle counting, tube counters, video traffic counting, traffic data management, and vehicle detection equipment.

Daktronics
(Booth 705)
Lauren Cloud
tbuconventions@daktronics.com

A world-wide reputation for quality and reliability, an extensive line of DMS products and over 25 years of transportation industry experience give Daktronics its strong lead in the ITS display market. Daktronics has installed more than 4,000 Vanguard® DMS in North America, guiding millions of motorists every day. Learn more at Daktronics.com/ITS.

Eberle Design
(Booth 418)
Debbie Zinn
dzinn@editraffic.com

Eberle Design is a leading manufacturer of electronic data aggregation, signal monitoring, and detection products for the traffic, access and rail industries. The company’s product suite allows transportation and access control professionals to integrate, automate and manage intersections, roads, access points efficiently & safely. The company manufacturers/sells under Eberle Design, Inc. (EDI) and Reno A&E (RAE) brands.

Econolite Group
(Booth 513)
Jenni Edgar
jedgar@econolite.com

Since 1933, Econolite is a leading provider of comprehensive traffic management solutions, Intelligent Transportation Systems, and engineering services. Committed to the advancement of connected vehicles and other leading-edge technologies, Econolite’s solutions ease traffic congestion, enhance transit operations, provide safer mobility, and improve quality of life.
Exhibitors

Ennis-Flint
(Booth 706)
Tracy Hall
thall@ennisflint.com
TrafficScapes: A portfolio of preformed thermoplastic pavement markings engineered for durability, guidance, and aesthetics for streetscapes, traffic calming, and crosswalks. Products include DuraTherm®, TrafficPatterns®, TrafficPatternsXD™, TrafficPatternsGF™, TrafficPatternsLT™, and DecoMark®.

EnSite Power
(Booth 612)
Jake Hysell
jhyssell@ensitepower.com
EnSite Power, Inc., formerly Blue Earth Energy Power Solutions, is the premier provider of UPStealth® Nickel-Zinc uninterruptable power supply technologies. EnSite Power continues to make intersections safe when power failures occur through smart and energy efficient UPStealth® Battery Backup Systems.

EtherWAN Systems
(Booth 516)
Jessica Yang
jessica.yang@etherwan.com
EtherWAN Systems is a leading manufacturer of Hardened Ethernet, PoE, and Fiber connectivity products specifically designed for the most demanding environments. Our Ethernet Switches, Media Converters, Ethernet Extenders and Power over Ethernet products ensure reliable communications for ITS, Transit, Security, Datacom, and Railway applications. EtherWAN - When Connectivity is Crucial.

FLIR Systems
(Booth 204)
Stefaan Pinck
stefaan.pinck@flir.com
FLIR Systems, Inc. designs, develops, manufactures, markets, and distributes technologies that enhance perception and awareness. We bring innovative sensing solutions into daily life through our thermal imaging systems, visible-light imaging systems, locator systems, measurement and diagnostic systems, and advanced threat detection systems. Our products improve the way people interact with the world around them, enhance public safety and well-being, increase energy efficiency, and enable healthy and entertained communities.

Fortel Traffic
(Booth 616)
Emery Dyer
edyer@forteltraffic.com

Image Sensing Systems
(Booth 107)
Lisa Cubb
lchubb@imagesensingsystems.com

Intelight
(Booth 319)
Michele Gardner
michele.gardner@intelight-its.com
Intelight Inc. manufactures and supplies innovative traffic management products including advanced traffic controllers, ATC High Density cabinets (DC and AC), arterial systems masters, NTCIP compliant local software, and web-based central software systems. Our company’s mission is to provide our customers with the highest quality and most innovative technology along with exceptional service and cost-effectiveness. Intelight’s industry changing product line and business model focuses on open architecture platforms built on modern technology.

ITE
(Booth 413)
Colleen Agan
cagan@ite.org
The Institute of Transportation Engineers (ITE) is a community of transportation professionals dedicated to advancing the transportation profession through the sharing of knowledge and best practices for the benefit of society. Through its products and services, ITE promotes the professional development of its members, supports and motivates education, encourages research, develops public awareness programs, and serves as a conduit for the exchange of information.

ITEM Ltd
(Booth 313)
Stephanie Gannon
stephanie.gannon@lanelight.com
Combining Safety and Innovation, since 2000 ITEM Ltd. has been saving lives with our LED enhanced LaneLight warning systems that target the tunnel vision of distracted driver’s. Our warning systems are built tough, ship with a 5 Year Warranty, and are engineered for 10 to 15 years of trouble free service. Dramatically improve visibility and safety at your crosswalks, stoplights, grade rail crossings, and wrong way warning systems with an MUTCD compliant LaneLight in-road warning system.

Iteris
(Booth 305)
Ginny Acosta
gtaylor@iteris.com
Iteris is the leader in applied informatics for transportation and agriculture, turning big data into big breakthrough solutions. Iteris collects and analyzes big data to help cities and states make better decisions to improve safety, efficiency, operations and management of vehicular, cyclist and pedestrian traffic. We are trusted advisors to municipalities and government agencies around the world to help reduce traffic congestion, improve safety and ready our roadways for connected and autonomous transportation.

JTB Supply Co
(Booth 615)
Mindy Myers
mindy@jtbsupplyco.com
JTB Supply, our people, our philosophy and our commitment to quality is the difference and what allows us to provide our customers with comprehensive solutions to their traffic equipment needs. For over 18 years, we’ve served municipalities and contractors throughout California, Arizona, and Nevada. Our manufacturers and the products they produce, have earned a strong reputation for Quality and reliability. We appreciate your support.
Kimley-Horn and Associates
(Booth 405)
Erin Henderson
erin.henderson@kimley-horn.com
For nearly 50 years, Kimley-Horn has been committed to the transportation profession, and we continue to be a proud member, sponsor, and exhibitor of the Institute of Transportation Engineers. With more than 80 offices across the nation, our multi-disciplinary team of engineers, planners, and technicians develops practical solutions for all of your transportation projects.

McTrans Center
(Booth 509)
Adam Czerenda
jczer@ce.ufl.edu
The McTrans Center at the University of Florida distributes and supports software programs for traffic engineering and transportation planning applications, including the Highway Capacity Software (HCS 2010), TSIS-CORSIM and TRANSYT-7F, with training courses and the highest level of technical support provided for these packages.

MetroCount USA
(Booth 716)
Kelly Breeden
kbreeden@metrocount.com
Over the past 20 years, MetroCount has revolutionized the field of traffic data collection by achieving unmatched accuracy with durable hardware. From humble beginnings to the multinational company of today, MetroCount has remained customer focused, working closely with road managers to develop innovative solutions for monitoring both vehicle and cycle traffic.

Miovision
(Booth 315)
Lara O'Keefe
lokeefe@miovision.com

Mitsubishi Electric
(Booth 105)
Gerald (“Jerry”) Ganguzza
gerald.ganguzza@meus.mea.com
Mitsubishi Electric was the first manufacturer to introduce DLP technology in applications for critical environments that operate 24/7. We incorporate cutting-edge technology that offers a higher yield, higher quality, lower price and lower cost of ownership (100,000 hours without maintenance). Come see us in booth #105!

NDS Data
(Booth 600)
Kevin Deal
kevd@ndsdata.com
Founded in 1989, National Data & Surveying Services (NDS) delivers data that you can count on. In an industry that relies so heavily on accurate data, the foremost, full service traffic and transit data collection companies in the country. In an industry that relies so heavily on accurate data collection, NDS delivers data that you can count on.

Pd- Programming
(Booth 605)
Pete D’Orozio
pete@pdmagic.com

Pelco Products
(Booth 505)
Tracy Sherman
tracy.sherman@pelcoinc.com
With Pelco Products, innovation always comes standard. Pelco Products, Inc. is an Oklahoma based, family-owned business specializing in designing, engineering, manufacturing and distributing the finest products. Founded in 1985 with 5 employees, Pelco now employs over 300 Team Members in 315,000 square feet of manufacturing space. Pelco is dedicated to serving its two primary markets, Traffic and Utility, globally through Innovative Solutions, Quality Products & Unparalleled Customer Service.

Polara
(Booth 506)
Matt Baker
mbaker@polara.com
Polara, is the leading manufacturer of Accessible Pedestrian Signals (APS) and ADA push buttons. Our products exceed standards and are certified by an independent lab. The newly introduced iNavigator (intelligence-added), is a full-featured system using Bluetooth technology to program and communicate. It has both audible and vibro-tactile features that give the pedestrian information at every phase of the walk cycle, allowing agencies the flexibility they need to meet the needs of their citizens.

PTV Group
(Booth 613)
Elizabeth Ortiz
Elizabeth.ortiz@ptvgroup.com
PTV America Inc., a subsidiary of the PTV Group, is the North American distributor of PTV Vision® software, including PTV Vissim, PTV Viswalk, PTV Vistro, and PTV Visum. PTV Group is a leader in design and development of transportation planning and traffic engineering software. The PTV Group includes over 600 employees worldwide crafting innovative solutions for our customers in the public and private sectors.

QWICK KURB®
(Booth 609)
Robert Schindlleer
robert@qwickkurb.com
QWICK KURB® offers traffic engineers an inexpensive, highly durable, longitudinal channelizer of recycled plastic to direct motorists away from hazards and through preferred traffic lanes. Unlike mere posts and slightly raised stripes, QWICK KURB’s nearly 4” height and wide Uprights command driver attention and respect. As the only separator to withstand crush force exceeding 3,500psi applied under the ASTM concrete core test, QWICK KURB is so durable that installations from the Nineties continue in place.

Rodel Roundabout Analysis Software
(Booth 712)
Mark Johnson
mark@mtjengineering.com
Rodel is a roundabout-specific analysis tool that allows engineers, planners, and researchers to understand the unique operation and performance of roundabouts. Seamless integration of both HCM model & lane-based Empirical model Validated by U.S. data Facilitates optimized geometric design solutions

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**Exhibitors**

**Sensys Networks**  
(Booth 517)  
**Vince Ferrinho**  
vince@sensysnetworks.com  
As an innovative wireless technology company, Sensys Networks improves the way people travel through cities through accurate detection and actionable data. For traffic visionaries and implementers, Sensys Networks provides a comprehensive detection and data platform for virtually all traffic management needs. Together with our world class integration partners we enable data-driven decisions to manage roadways, increase safety and optimize traffic signals. To learn more, travel to booth #517.

**Skyline Products**  
(Booth 608)  
**Nick Palmiotti**  
mickpalmiotti@skylineproducts.com  
Skyline products has designed and manufactured premium sign solutions for the transportation industry since 1970. We partner with state and local agencies, design contractors, engineering firms, and industry consultants to create premier sign solutions that are Designed to be Bold, Engineered to Last. Our expert team focuses on scoping projects that fit the specific needs of any given application – a collaborative approach that ensures our customers purchase the right solution – not just a standard solution.

**South Coast Lighting**  
(Booth 219)  
**Allie Bond**  
allieb@southcoastlighting.com  
South Coast Lighting & Design is a full service, outdoor lighting company representing top quality manufacturers. Since 1984, SCL has supplied superior lighting standards to municipalities throughout Southern California offering a selection of ornamental street lighting poles and luminaires ranging from historical to temporary designs. SCL specializes in themed lighting systems for all city applications such as downtowns, parking lots, residential neighborhoods, ornamental traffic, parks and sports facilities, utilizing the latest in LED technologies.

**Temple, Inc.**  
(Booth 207)  
**Blair Temple**  
blair.temple@temple-inc.com  
Since 1954, Temple, Inc. has been focused on unquestionable integrity, outstanding service, and relationships that endure. Product technologies change over time, but the relationships we’ve built over the last 60 years have determined our success. We remain committed to providing the most comprehensive traffic and ITS solutions available, matched with unrivaled service and support.

**Tesco Controls**  
(Booth 704)  
**Dominique McSwain**  
dmcswain@tescocontrols.com  
Tesco Controls, Inc. is a leading equipment manufacturer and full service systems integrator for the transportation, electric utility and water/wastewater industries. Founded in 1972, Tesco’s control cabinets, utility service pedestals (metered & unmetered), and battery backup systems have become an established national standard for municipalities. Our UL 508A compliant equipment, standard size and made-to-spec, are available with custom dimensions, cabinet colors, configurations and materials, including stainless steel NEMA 3R, 3RX, 4 and 4X. Visit www.tescocontrols.com.

**TKH Security**  
(Booth 417)  
**Amy Fleck**  
a.fleck@tkhsecurity.com  
TKH Security Solutions is a global supplier of advanced video surveillance solutions, including IP cameras, video servers/codecs, network video recorders, fiber transmission equipment, video management and video analytics software. We deliver complete solutions for traffic monitoring and the security of airports, seaports, casinos, prisons, utilities, public transit, city centers, hospitals, and corporate campuses. TKH Security Solutions markets its solutions under the Siqura, Optelecom and Sense brand names.

**TOMAR Electronics**  
(Booth 507)  
**Michelle Robb**  
michelle.robb@tomar.com  

**Traffic and Parking Control Co.**  
(Booth 607)  
**Dave Loncaric**  
dave.loncaric@tapconet.com  
Best known for their line of Blinker™ Intelligent Warning Systems, TAPCO (Traffic & Parking Control Co., Inc.) is a Wisconsin-based business headquartered in Brown Deer, Wisconsin dedicated to manufacturing, distributing and servicing the latest innovations in traffic and parking control products. Founded by Ray Bergholz in 1956, TAPCO has remained privately owned by two families for three generations.

**Traffic Logix**  
(Booth 209)  
**Claudia Sánchez**  
csanchez@logix-works.com.mx  
Traffic Logix is a direct sales manufacturer that offers everything you need for safer roads and a safer workplace. Whether you’re looking for a speed display sign, a speed trailer, a rubber speed hump, or flashing beacons, no one offers more traffic calming solutions than Traffic Logix.

**Trafficware**  
(Booth 312)  
**Barbara Catlin**  
barbaracatlin@trafficware.com  
Trafficware specializes in design and development of electronic equipment and software for the transportation industry. Well known for its Synchro® Traffic Simulation and Analysis Software, used by transportation specialists in more than 90 countries, the company also manufactures a full line of traffic equipment at its 100,000 square-foot technology center. The company’s expertise includes innovative products like the most technically advanced central traffic management system AMS.now™ and the fastest growing SynchroGreen® adaptive signal technology.
**TransCore**  
(Booth 508)  
**Marc Raymer**  
marc.raymer@transcore.com  
A leader in the industry, TransCore provides innovative, technical solutions for the next generation Tolling and Traffic Management Systems. We design, build and maintain complete toll solutions for nearly half of all U.S. toll lanes. We also design and deploy ITS solutions for agencies across North America and manage over 21 intersections worldwide.

**Transportation Professional Certification Board**  
(Booth 416)  
**Ann O’Neill**  
anneill@ite.org  
Recognizing the certification and professional development needs of the transportation profession, the Transportation Professional Certification Board Inc. (TPCB), an autonomous certification body affiliated with the Institute of Transportation Engineers, offers the following certification programs: Professional Traffic Operations Engineer® (PTOE) and Professional Transportation Planner® (PTP). The certifications do not substitute for appropriate professional licenses when they are required for specific responsibilities or jurisdictions.

**TSS-Transport Simulation Systems**  
(Booth 419)  
**Sara Huser**  
sara.huser@aimsun.com  
TSS-Transport Simulation Systems (TSS) develops and supports the integrated Aimsun traffic modelling software environment and also the Aimsun Online real-time decision support system for traffic management. Now with offices in Barcelona, London, New York City, Paris, Portland and Sydney, TSS services over 3,700 users in 73 countries, including government agencies, consultancies and academic users.

**University of Maryland - A. James Clark School of Engineering**  
(Booth 206)  
**Vinette Brown-Darlington**  
vbrownda@umd.edu  
The A. James Clark School of Engineering at the University of Maryland offers practice-oriented graduate education program designed for working engineers and technical professionals. The Clark School of Engineering has launched a fully online Master of Engineering and Graduate Certificate in Transportation Systems. Learn more about this degree at www.transportation-systems.umd.edu

**Upper Great Plains Transportation Institute**  
(Booth 407)  
**Makenzie Schmidt**  
makenzie.lee.schmidt@ndsu.edu  
“North Dakota State University is a leader in academic excellence and competitive research. Students have access to state-of-the-art, technologically advanced research facilities, internationally renowned faculty, and numerous public-private partnerships. Graduate assistantships provide financial support and contribute to professional development. The Graduate School at NDSU offers 51 doctoral degrees, 83 master’s degrees, and 13 certificate programs, providing numerous opportunities for individuals to gain the knowledge and experience necessary to become leaders in their fields.”

**Wavetronix**  
(Booth 606)  
**Spencer Banta**  
spencer.banta@wavetronix.com  
Wavetronix creates tools for intelligent transportation systems (ITS), including advanced radar sensors, power and communication solutions and data management appliances. Our innovative products and unmatched performance are changing the ITS industry and raising expectations for stop bar detection, intersection advance detection, data detection, and data management. With a solid foundation in research and technology, Wavetronix is dedicated to increasing roadway efficiency and safety.

**Western Pacific Signal**  
(Booth 215)  
**Shari Friedel**  
friedel/wpssignal.com  
We are a full service systems integrator of Intelligent Transportation Systems (ITS), Adaptive Signal Control (ASC), and Connected Vehicle (CV) systems in the CA, OR, and WA markets. Since 1997, our firm has upgraded over 50 ATMS central traffic systems, and assisted local agencies with hundreds of 2070 and ATC-based traffic controller upgrades. Our vehicle, bike, and pedestrian detection division, specializes in a wide range of video, radar, and wireless magnetometer based field devices to provide the best fit for any application, along with classroom training and onsite support.

**Western Systems**  
(Booth 205)  
**Ellen Martinez**  
emartinez@westernsystems-inc.com  
Western Systems Inc. was founded in 2001 and has exceeded customer expectations by providing expertise and unparalleled customer support. We offer innovative traffic management solutions including customized signal controller cabinets, Siemens NEMA, 2070E & ATC controllers and software, Siemens Local, Central, Adaptive, and Regional Traffic Management Software.

**Wilddan**  
(Booth 301)  
**Jessica Culhane**  
jculhane@willdan.com  
Comprehensive. Innovative. Trusted. Wilddan is a leading nationwide provider of value-added professional technical and consulting services. The primary markets Wilddan serves are: energy; infrastructure and transportation; municipal engineering, planning, and staff augmentation; economic and financial analysis; and homeland security and emergency management.
For over 15 years, RailPros has been assisting clients in delivering projects with a variety of rail components. Our expertise includes grade crossing safety enhancements, interconnected traffic signals, rail agency coordination, quiet zones, station designs, rail corridor studies, and grade separations.

**Rail isn’t a part of our business, it IS our business.**

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www.railpros.com

**SAVE THE DATE**

ITE 2017 Annual Meeting & Exhibit

July 30 - August 2, 2017
Sheraton City Centre
Toronto, Ontario
Canada

in conjunction with the
Canadian Institute of Transportation Engineers (CITE)
Annual Conference

ITE A Community of Transportation Professionals